Maryville College

2006-2008 Catalog

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STATEMENT OF PURPOSE

Maryville College is a liberal arts, church-related college. It strives to be an instrument of liberation and growth for adults of all ages. Through its curriculum the College affirms the continuing values of a broad range of study in the humanities, the sciences, and the arts. Avoiding narrow specialization, the College aims to enhance career opportunities and develop a true sense of vocation.

To prepare students for a world of uncertainty and accelerating change, the College seeks to stimulate purposeful inquiry, to encourage analytical thinking and effective expression, to foster discriminating aesthetic taste and sound judgment, to provide opportunity for developing personal values, and to nurture the deep concern for persons that leads to constructive action. Founded by leaders of the Presbyterian/Reformed tradition, Maryville College is related to the Presbyterian Church USA in a voluntary covenant. In an atmosphere of freedom and sensitivity, Maryville College bears witness to God's revelation in Jesus Christ who challenges all human beings to search for truth, to work for justice, to develop wisdom, and to become loving persons. Continuing in this vital faith, the College believes that it must listen attentively and humbly to all human voices so that it may hear the call of God no matter how God may speak.

Maryville College is, in essence, a community for learning. This community includes persons with a variety of interests, backgrounds, beliefs, and nationalities. The faculty, as a group of scholars committed to the preservation and advancement of knowledge, emphasizes effective teaching and encourages supportive relationships with students. The students are challenged to grow in academic competence, personal and social maturity, and spiritual discernment and commitment. In such an atmosphere of openness and caring, lasting friendships are formed. Through caring for others on campus and beyond, sharing genuine concern for the world, and working to fulfill the College's purpose, directors, administration, staff, faculty, and students strive to build and strengthen the human community.

Statement of Purpose adopted April 1980

IDENTITY STATEMENT

Maryville College is an undergraduate, liberal arts, residential community of faith and learning rooted in the Presbyterian/Reformed tradition serving students of all ages and background.

MISSION STATEMENT

Maryville College prepares students for lives of citizenship and leadership as we challenge each one to search for truth, grow in wisdom, work for justice and dedicate a life of creativity and service to the peoples of the world.

Maryville College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia, 30033-4097; Telephone number 404-679-4501) to award baccalaureate degrees.

The National Association of Schools of Music accredits all of the major programs in music.

The Maryville College programs in teacher education are approved by the Tennessee Department of Education.

The Maryville College Center for English Language Learning is an approved member of the American Association of Intensive English Programs.

The Maryville College Program for Nonprofit Leadership is certified by American Humanics.

Educational Goals

Maryville College is an academic community committed to respect for all persons and to diversity of thought and freedom of expression. The College affirms the value of an open-ended search for goodness, truth, and beauty that calls each person to work, to service, and to personal and professional growth. While some of the educational goals articulated below can be achieved during the college years, the total Maryville College experience is grounded in a curriculum that is a major step in a life-long journey. The student is guided in the exploration of paths to inquiry, skill development, personal growth, intercultural understanding, and values.

INQUIRY

- The creative and critical exercise of the scientific, artistic, and humanistic modes of inquiry, and their integration

SKILLS

- Communication, computing, quantitative, and second language skills that enable effective comprehension, analysis, and expression
- Critical thinking that enhances inquiry and decision-making
- An ability to retrieve and synthesize information and to complete independent research
- Interpersonal skills that foster cooperative work, mentoring, and leadership

PERSONAL GROWTH

- Enhancement and integration of all dimensions of personal well-being
- Self-confidence, poise, courage, and creativity in the face of complexity, change, ambiguity, and adversity
- A sense of wonder, curiosity, and a willingness to explore

INTERCULTURAL UNDERSTANDING

- Sensitivity and responsiveness to the individuality and needs of persons of other cultures as well as one's own
- Appreciation for the breadth, diversity, and richness of human experience in its various social and cultural dimensions
- Global perspective that draws on an understanding of Western and other cultures, including cultures very different from one's own
- An understanding of, and appreciation for, intercultural relationships both within and across societies

VALUES

- Spiritual growth reflected in a commitment to lifelong examination of one's beliefs and to living out those beliefs in all of life's dimensions
- Informed ethical judgment which guides one to make choices leading to a responsible life
- A sense of vocation which reflects stewardship of resources, time, and talents
- Service, global citizenship, and a sense of responsibility for the common good
- Care and respect for the environment which acknowledges interdependence and reflects a commitment to present and future generations

The Maryville Curriculum

GENERAL EDUCATION

Associate Professor Margaret Cowan, Chair, Core Curriculum

The Maryville Curriculum, a core program of general education, is based on the conviction that liberal learning is the best preparation for a satisfying and successful life, whatever one's vocation. While many aspects of the college experience, including major-field requirements, allow students to prepare for a variety of careers and professions, general education emphasizes the cultivation of those intellectual and personal qualities that mark the educated person. Through the enhancement of skills and knowledge, the deepening of sensitivities, and the clarification of personal purpose, students learn to deal responsibly with a world of uncertainty and accelerating change.

General education is the centerpiece of any liberal arts degree; it provides curricular definition to the mission of a liberal arts college. The Maryville Curriculum follows directly and consciously from the College's Statement of Purpose and Educational Goals.

The Maryville Curriculum, often called the "core" curriculum, consists of sixty credit hours for the Bachelor of Arts degree and fifty-four credit hours for the Bachelor of Music degree. Some general education requirements are waived by virtue of the student's major; others may be met by demonstration of competence.

Distinctive features of the Maryville Curriculum are:

- An integrated and sequenced set of first year courses designed to assist in adjustment to college life, to attend to the developmental and learning issues unique to freshmen, and develop the basic communication, quantitative, and critical thinking skills needed for success in college,
- A range of coursework that provides grounding in the various modes of inquiry, service learning and in all aspects of the liberal arts,
- Courses that are designed for general education, not for a major,
- A range of choices for students among courses that fulfill common goals,
- Junior- and senior-level courses designed to draw together the college learning experience outside the major and provide integration of liberal learning and the various modes of inquiry,
- An emphasis on interdisciplinary coursework spanning the four years,
- A strong global and cross-cultural dimension,
- Attention to values and ethical decision-making throughout the curriculum, with a capstone course focusing on these matters in the January Term of the senior year,
- A curricular structure with integrated freshman and senior experiences that provide coherence along with solid beginnings and a clear culmination to the liberal arts experience.

GENERAL EDUCATION REQUIREMENTS

Each student must satisfy the course requirements specified below. Nearly all of the courses are designed for the purposes of general education and are part of no major program. Students may satisfy the requirements by passing the course, or, in some cases, by demonstrating competence and knowledge through placement or special examination, or by meeting the condition specified for a waiver. The experiential education requirement may also be satisfied by a period of study abroad. The First Year Seminar Sequence is required of all freshman students.

Orientation 110 or Transfer Orientation 120

First Year Seminar 120

First Year Seminar 130

First Year Research Seminar 140

International Student Seminar 170 *a*

Composition 110 *b*

Composition 120

Biblical Studies 130 or 140 *i*

Statistics 120 *c*

Foreign Language 110 and 120 *bd*

Western Civilization 180, 190, or 390 *i*

Fine Arts 140 or 340 *e*

Literature 270 or 290 *i*

Natural Science 150 *f*

Natural Science 350 *g*

Social Science 260 *h*

World Cultures 310, 320, 330, 340, or 350

Experiential Education Requirement *j*

Senior Seminar 480 *hk*

Ethics 490 *k*

NOTES ON SPECIAL CONDITIONS:

a International students may take this course in place of First Year Seminar 120.

b Placement examinations may permit placement beyond this course.

c Not required of students majoring in pre-engineering, chemistry, biochemistry, chemical physics, or of students minoring in physics.

d Not required of students for whom English is a second language. For these students, study in a third language is recommended as an elective but is not required.

e Not required of students pursuing the B. Music degree or of B.A. students with a combination of two majors or a major and a minor in two fine arts disciplines. Students with a B.A. major in art, music or theatre are required to take Fine Arts 140/340 in a discipline outside the major.

f Not required of students majoring in mathematics, mathematics for teacher licensure, pre-engineering, environmental studies, biology, chemistry, biochemistry, chemical physics, health care/nursing, physical education, physical education/health for K-12 licensure, psychology, or of students with a minor in biology, chemistry, or physics.

g Not required of students majoring in mathematics, mathematics for teacher licensure, pre-engineering, biology, biology for teacher licensure, chemistry, chemistry for teacher licensure, biochemistry, chemical physics, healthcare/nursing, physical education/health for K-12 licensure, psychology, child development for teacher licensure, or of students minoring in biology, chemistry, or physics.

h Not required of students majoring in any teacher licensure area.

i International students have a slightly wider choice of general education courses: for Biblical Studies 130/140, Religion 211 or Religion 212 may be substituted; for Literature 270/290, English 222 may be substituted; for Western Civilization 180/190/390, History 111 or 112 may be substituted.

j Not required of students pursuing the B. Music degree.

k Not required of students in Senior Year in Absentia programs (engineering and nursing).

GENERAL EDUCATION COURSE DESCRIPTIONS

Orientation 110:
Perspectives on the College.....1 credit hour
Introduction for freshmen to Maryville College and college life. Topics and activities include college policies, campus life, Maryville College history and traditions, and Mountain Challenge experiences. Course activities are scheduled during an orientation period prior to the beginning of fall classes and are completed no later than the end of the fourth week of the fall semester.

Transfer Orientation 120.....1 credit hour
Required of all transfer students. An orientation to Maryville College, including academic and student development programs. All students take an exam on research methods. An extension of the course is required for those who fail the exam.

First Year Seminar 120:
Perspectives on the Individual.....2 credit hours
Offered in the fall semester
Focusing on the theme of "The Individual," this is the first in a series of related first year seminars designed to provide academic and personal skills essential for college success. Sense of identity, vocation, spirituality, and wellness philosophy are topics covered. Analytical reading, critical thinking, and communication skills are emphasized.

First Year Seminar 130:
Perspectives on the Environment.....3 credit hours
Prerequisite: Orientation 110, 120 or International Student Seminar 170 | Offered in the January term
An experiential, interdisciplinary course that engages students in a broad study of the nature of their environment and addresses the basic question of what it means to be a steward of the environment. In classroom and field settings, students explore how human beings have changed and adapted the local environment of the Southern Appalachians and how human beings have used environmental resources in the development of their culture.

First Year Research Seminar 140: Perspectives on the American Community.....2 credit hours
Co-requisite: Composition 120
Offered in the spring semester
A course in research methods examining issues and ideas that inform the experience of community and diversity in the United States and focus on the theme of civic engagement. The culminating project is an independent research paper.

International Student Seminar 170.....2 credit hours
Admission to the course requires a Michigan Test score of 70 or above. Open to International students only.
The course introduces international students to the culture surrounding American higher education, addresses the goals of the First Year Seminar 120 as appropriate for international students, and assists international students in the development of the academic and professional skills essential for college success.

Composition 110:
English Composition.....3 credit hours
A writing course focusing on the art of the essay. Study of various strategies of invention and organization is combined with study of grammar and effective sentence structure. A fourth class hour is devoted to intensive study of sentence structure for students identified on the basis of early work in the course.

Composition 120:
Advanced Composition and Speech....3 credit hours
Prerequisite: English Composition 110 or placement into the course | Co-requisite: First Year Research Seminar 140
A course in effective oral and written presentation and argumentation. The essays and oral presentations examine issues and ideas that inform the experience of community and diversity in the United States. Attention is directed to comparing and contrasting writing and speaking as modes of communication.

Biblical Studies 130:
Hebrew Bible World and Culture.....3 credit hours
Must be taken before the junior year
An introduction to the Old Testament and its cultural context, this course examines the religion of ancient Israel as it developed in concert and rivalry with its ancient Near Eastern Neighbors.

Biblical Studies 140:
The New Testament World and Culture...3 credit hours
Must be taken before the junior year
An introduction to the New Testament and its cultural context, this course explores the development and growth of the early church's thought and community during the first two centuries C.E. The course pays particular attention to Christianity as a religion of the Greco-Roman world.

Statistics 120: Introductory Statistics...4 credit hours
Prerequisite: Satisfactory performance on the mathematics placement exam, or Fundamentals of Mathematics 105
Recommended for freshmen and available to first-semester sophomores
The course develops quantitative and computational skills necessary in the collection, organization, and interpreta-

tion of data. Topics include techniques in sampling and data organization, measures of central tendency and dispersion, an introduction to correlation and linear regression, elementary probability, confidence intervals and an introduction to hypothesis testing. The course is project-oriented and the laboratory component emphasizes the use of calculators, computers and statistically-oriented software.

Foreign Language 110 and 120....4 & 4 credit hours
Strongly recommended as a freshman/sophomore course; must be taken no later than the junior year
A course sequence designed to give students the linguistic, cultural, and geographical background necessary to provide for their basic needs in a setting where the target language is used. Introductory courses are offered in French, German, Japanese, Spanish and American Sign Language. Detailed descriptions are found in the listings for each of the languages.

Western Civilization 180:
Foundations of Western Civilization.....3 credit hours
Open to Freshmen and Sophomores only
The development of western civilization between the 5th century BCE and the 18th century Enlightenment. Three key themes are integrated throughout the course: social, ethical, aesthetic ideals and realities; questions of religious and philosophical belief; and the relationship between the individual and the community.

Western Civilization 190:
Modern Western Civilization.....3 credit hours
Open to Freshmen and Sophomores only
The development of Western civilization between the Renaissance and the 20th century. Three key themes are integrated throughout the course: social, ethical, aesthetic ideals and realities; questions of religious and philosophical belief; and the relationship between the individual and the community.

Western Civilization 390:
Western Civilization and Modernity.....3 credit hours
Prerequisite: Junior standing
The development of European society between the Reformation and the dawn of the twentieth century. Four key themes are integrated throughout the course: social, ethical and aesthetic ideals and realities; questions of religious and secular belief; the relationship between the individual and community; and revolution.

Fine Arts 140:
Introduction to the Fine Arts.....3 credit hours
Open to Freshmen and Sophomores only
Offered in separate sections, each emphasizing a single art, such as the visual arts, music, and theatre, while at the same time examining the interrelations between the arts. An exploration of the roles of art and artists in the world, the benefits of the arts, the materials, structures, and meanings of the arts, and some of the historic and cultural heritage. The course includes active participation and practice with the creative processes of the arts.

Fine Arts 340:
Explorations in the Fine Arts.....3 credit hours
Prerequisites: Literature 270 or 290 and junior standing
An exploration of the roles of art and artists in the world, the benefits of the arts, the materials, structures, and meanings of the arts, some of the historic and cultural heritage from a global perspective, and the aesthetic, moral, and ethical issues encountered in the arts. Offered in separate sections, each emphasizing a single art, such as the visual arts, music, and theatre, while at the same time examining the interrelations between the arts. The course includes active participation and practice with the creative processes of the arts and the completion of a substantial investigative and creative term project.

Literature 270:
The Early Western Literary Tradition...3 credit hours
Prerequisites: Composition 120 and First Year Research Seminar 140 | Open to Sophomores
A thematic approach designed to deepen understanding of the breadth, diversity and richness of Western culture as well as to develop interpretive and critical skills. Readings include classical, medieval and Renaissance literary and philosophical texts.

Literature 290: The Modern Western Literary Tradition.....3 credit hours
Prerequisites: Composition 120 and First Year Research Seminar 140 | Open to Sophomores
A thematic approach designed to deepen understanding of the breadth, diversity and richness of Western culture as well as to develop interpretive and critical skills. Readings include neoclassical, romantic, modern and post-modern literary and philosophical texts.

Natural Science 150:
Principles in Scientific Investigation.....4 credit hours
Prerequisite: Statistics 120 | Must be taken before the junior year
These courses develop the skills and attitudes necessary to understand and use critically the scientific mode of inquiry to explore the physical world. Integrative sciences such as astronomy, geology, human ecology, pharmaceutical chemistry and zoology are presented to provide significant depth of study in both classroom and field/laboratory settings.

Natural Science 350:
Topics in Natural Science.....3 credit hours
Prerequisites: Natural Science 150 and junior standing
These courses address the profound effects of scientific inquiry and technological change on contemporary societies. They apply the scientific mode of inquiry and its philosophical and historical development to several different interdisciplinary topics in the natural sciences concerning national or global interests where scientific discoveries raise societal, economic, political, and/or ethical questions.

Social Science 260:
Perspectives on the Social Order.....3 credit hours
Prerequisites: Composition 120 and First Year Research Seminar 140 | Recommended for Sophomores; must be taken no later than the junior year
An examination of the social sciences as a distinctive way of looking at the world. Although individual course content may vary, each course focuses on the fundamental challenging questions and the seminal responses to these questions that have occupied the disciplines of anthropology, economics, political science, psychology, and sociology.

World Cultures 310:
Sub-Saharan Africa.....3 credit hours
Prerequisite: First Year Research Seminar 140, Literature 270 or 290, and junior standing
An examination of sub-Saharan Africa and African peoples from the development of early cultures and empires to the re-emergence of independent states. Emphasis is on West Africa, integrating geography, history, social institutions, religion, and the arts. The course seeks to foster intercultural understanding, global perspective and appreciation for the breadth, diversity and richness of the human experience.

World Cultures 320: East Asia.....3 credit hours
Prerequisite: First Year Research Seminar 140, Literature 270 or 290, and junior standing
An examination of the peoples and cultures of China, Japan, and Korea, including the major cultural and institutional trends from their origins to the present. The course integrates geography, history, social institutions, religion, and the arts. The course seeks to foster intercultural understanding, global perspective and appreciation for the breadth, diversity and richness of the human experience.

World Cultures 330:
The Middle East.....3 credit hours
Prerequisite: First Year Research Seminar 140, Literature 270 or 290, and junior standing
An examination of the peoples and cultures of the Middle East from Egypt to Afghanistan. The course integrates geography, history, social institutions, religion, and the arts. The course seeks to foster intercultural understanding, global perspective and appreciation for the breadth, diversity and richness of the human experience.

World Cultures 340:
The Indian Subcontinent.....3 credit hours
Prerequisite: First Year Research Seminar 140, Literature 270 or 290, and junior standing
An examination of the peoples and cultures of the Indian subcontinent including India, Pakistan, Bangladesh, Nepal and Sri Lanka. The course integrates geography, history, social institutions, religion, and the arts. The course seeks to foster intercultural understanding, global perspective and appreciation for the breadth, diversity and richness of the human experience.

World Cultures 350:
Indigenous Peoples.....3 credit hours
Prerequisite: First Year Research Seminar 140, Literature 270 or 290, and junior standing
The study of indigenous peoples worldwide. The course combines ethnographic studies with the examination of issues such as cultural survival, relationships with nation states, loss of resources and lands, human rights, genocide, ethnocide, and socioeconomic development. The course integrates geography, history, social institutions, religion and the arts, and it seeks to foster intercultural understanding, global perspectives and appreciation for the breadth, diversity and richness of the human experience.

EXPERIENTIAL EDUCATION REQUIREMENT

The experiential education requirement may be satisfied in any of the following ways:

- a 3 credit hour January experiential education course in the sophomore or junior year
- three credit hours (15 events) of Mountain Challenge (PHR 125, 126, 127)
- a period of study abroad approved by the International Programming Committee

Experiential education courses are offered occasionally in an evening format and in summer school.

Senior Seminar 480.....3 credit hours
Prerequisite: Senior standing
A capstone course that provides the student with the skills and opportunity to integrate across at least two of the three modes of inquiry: scientific, artistic, humanistic. The approach is thematic and draws on global perspectives.

Ethics 490: Philosophical and Theological Foundations of Ethical Thought.....3 credit hours
Prerequisite: Senior standing | Offered in the January Term, with limited offerings at other times
A senior capstone, interdisciplinary course which considers the ethical dimension of the human experience, including historic and contemporary ethical frameworks designed to engage the students' ethical stances. Students reflect on general education, major courses of study and chosen vocation. Special concern to address service, global citizenship, and responsibility for the common good.

Learning By Experience

Every student's program of study centers on the familiar work of classroom and laboratory, library and studio. Yet important learning also takes place in less familiar settings, where the student is called upon to adapt to a new environment, to act without one's customary support system, to develop trust in one's own resources of intelligence and discipline. It is to encourage that kind of learning, so critical to personal maturity, that the College makes available a variety of special programs.

EXPERIENTIAL LEARNING REQUIREMENTS

Certain experiential education requirements are a part of the core curriculum, and they are described under General Education in this catalog. All students take a freshman January course on the environment that uses an experiential approach, and all students must fulfill one additional three credit hour experiential education requirement.

Experiential education emphasizes guided activity as a primary mode of learning. It is usually carried on outside the conventional setting of a classroom, library, or laboratory, and it typically does not take place at a study desk. While mastery of information, understanding of expert opinion and cognitive learning are not ignored, the stress is on effective change and growth. By exposing the student to unfamiliar tasks and environments, experiential learning encourages mental and emotional adjustments and promotes the development of new skills and attitudes. It has as a principal goal the creation of sense of achievement, personal competence, and self-reliance.

Experiential learning begins with concrete experience, but it does not stop there. It also involves an important element of reflection, an effort to develop a clear view of what one is doing and to assess its value. These observations and reflections should lead the learner to new generalizations and concepts, fresh understandings of the world and oneself, and some enhancement of ability. Subsequently, new learning should be tested and refined in a different situation or additional experiences. At its best, experiential learning deepens the learner's sensitivity to social and physical surroundings and encourages him or her to use senses and wits more fully. Thus it affords powerful opportunities for holistic learning.

An "experiential education" course has the following characteristics:

1. It involves active and sustained participation by the student.
2. It is a kind of experience that the student has not had before.
3. It requires the student not only to do something new but to stand back from the activity, assess its significance, and draw conclusions about it.
4. It provides opportunities to test these conclusions (or in the case of a skill-oriented course, to demonstrate increased mastery.)
5. It has as a major goal some modification in attitude or outlook, some change in personal perspective, and some deepening of insight regarding oneself and others or oneself and the world.

Within the guidelines, experiential education courses are quite diverse in type. They include exploring a creative process, developing new physical skills, living for a time in an alien setting, or trying out a field through a "hands-on" approach. Courses having to do with service projects, life-enhancing activities, or new leisure skills and interests are especially appropriate.

Some experiential learning courses assess fees that vary with particular offerings each year.

INTERNSHIPS AND PRACTICA

Internships and practica are available in nearly all major fields. They provide excellent opportunities to gain practical experience in field settings. Details on internships and practica may be found in the section of this catalog headed Academic Procedures and Regulations and under the course listings for academic fields.

STUDY ABROAD

Mark Twain once wrote that "Travel is fatal to prejudice, bigotry and narrow-mindedness – all foes to real understanding." Recognizing the validity of that statement, Maryville College believes a period of travel and study outside the United States should be a part of one's education whenever possible.

Confronting other cultures and viewpoints, learning about the customs and practices in other societies, coping with unfamiliar surroundings in a language not fully one's own can do much to deepen insights and broaden perspectives. Such experience can also foster remarkable personal growth.

A range of opportunities for guided travel and study is available. Short-term possibilities come through experiential travel with a small group of students and faculty. In recent years, for example, groups of students and faculty have used the three-week class terms for study travel to locales in Europe, Asia, the Middle East, Africa, Central and South America. Students may apply for financial assistance through two scholarship funds designated for experiential travel: the TRAAVEL (Travel and Readings in Asia and Africa/Ventures in Experiential Learning) Award and the Carter Fund. Deadlines for each award are in the spring of each academic year for Maryville College sponsored trips scheduled for the following year.

For more extended periods, however, it is advantageous for the College to associate with other institutions to expand and diversify what can be done. Through such associations Maryville students can experience life and study in many areas of the globe.

A period of study is possible at any time after the first year, but most students find the third year, or the preceding summer, the most convenient time. Planning needs to be started well in advance and is best done in close consultation with one's advisor, the Director of International Programming, and the Maryville College faculty liaison for the particular exchange. Approval for study abroad is required. Students apply to the International Programming Committee, must meet minimum G.P.A. standards, and must follow the application procedures set by the Committee. The programs listed here all carry full academic credit and, for all exchange programs, grades are figured into student G.P.A.s. A number of other exchange opportunities are available through the International Student Exchange Program (ISEP), with which the college is associated (see www.isep.org). Students may also choose to study at foreign institutions with which Maryville College does not have a relationship. In those cases, financial aid is not available and credits earned are treated as transfer credit. Further, the College will scrutinize carefully, and may reject, credits earned at institutions overseas. The programs at institutions described in this catalog have been screened for academic quality and attention to the needs of students studying abroad.

MARYVILLE COLLEGE EXCHANGE PROGRAMS

Study abroad programs are administered by the International Programming Committee in conjunction with the International Programming Office. Detailed information on study abroad is found under "Study Abroad" on the College website or by talking with the Director of International Programming.

Maryville College maintains exchange programs with several overseas institutions. In addition to a student's regular financial aid package, Maryville students may apply for additional scholarship support through Ragsdale International Scholarship Program. Ragsdale applications are due to the chair of the International Programming Committee on October I for travel in spring and March 1 for summer or fall travel. Program stipulations vary, but in most cases regular tuition funds are paid to Maryville College. Under the reciprocal agreements, when a Maryville student studies at a related institution, a student from that institution may study at Maryville for an equal time period. While language study is available at all of the institutions listed below, instruction in English is the norm.

Semester or yearlong study in the United Kingdom is available at the University of Worcester, in Worcester, England, or at various universities in Northern Ireland through the Irish American Scholars program. The UK

exchange site offers a wide range of programs in most areas of academic study. This program requires an additional application process through that organization.

Students interested in the Spanish language and Latin American culture may study at the University of Colima in Mexico, and at the University of the Andes in Mérida, Venezuela, through the VENUSA program.

Kansai Gaidai University in Osaka, Japan, provides a way for students to learn first-hand about East Asia. The curriculum focuses on Asian Studies and provides an important supplement to the coursework in international studies offered on the Maryville campus. Those who begin the study of the Japanese language at Maryville may continue it at Kansai Gaidai University, or they may begin it there.

Students may also study at three institutions in Korea. Programs up to one year in duration are available at Hanyang University and Yonsei University in Seoul and at Hannam University in Taejon.

Summer study in French language and culture is available at the Centre International D'Etudes Francaises in Angers, France. Semester study is available at the University of Avignon.

Students may also study in South Africa at Rhodes University in Grahamstown, a liberal arts university of about 4,000 students. Rhodes offers the Maryville student a variety of courses from which to choose.

INTERNATIONAL STUDENT EXCHANGE PROGRAMS

Further exchange options are available through the International Student Exchange Program (ISEP). Through ISEP, students have access to over 250 study sites in 35 countries for a full academic year, a semester, or, in some cases, a summer program. ISEP offers two different types of programs to Maryville College students. ISEP reciprocal exchange programs function the same as Maryville College exchange programs. Students pay tuition, fees, room and board to Maryville College, and receive those same benefits at an institution abroad. ISEP-Direct programs are affordable fee-paid programs in a number of countries. For these programs institutional aid is not available, however federal aid may apply in many cases. Students on either ISEP program may apply for additional scholarship support through the Ragsdale International Scholarship Program.

More information on ISEP programs can be found on the Maryville College study abroad website, through the International Programming Office, or at www.isep.org.

OTHER STUDY ABROAD OPPORTUNITIES

Programs listed in this category do not involve exchange with another institution, and costs may exceed those for a comparable period of study at Maryville College. Maryville College grants and scholarships are not available for study in these programs, but eligible students may receive state and federal aid or apply for loans.

Students may study in Mexico and several European countries through cooperative programs with Alma College. The Alma College program is operated in conjunction with the Europa-Kolleg in Kassel, Germany, the Alliance Francaise in Paris, France, the Tandem Escuela Internacional in Madrid, Spain, and the Cursos Americanos e Internacionales in Segovia, Spain.

By arrangement with Kalamazoo College, Maryville students may spend six months or more studying at an African university or college. Participation is dependent upon admission by the African institution and selection by Kalamazoo College. For most programs, a summer's preparatory work at Kalamazoo is required.

MODEL UNITED NATIONS

The Model United Nations program provides opportunities to develop talents and abilities that are highly valuable in a variety of pursuits. Maryville College students participate in Model United Nations activities in three ways. A January experiential learning course is regularly offered, and students enrolled in that course also serve as leaders for the Maryville College Model United Nations for area high school students. Outstanding participants in those programs may also represent Maryville at regional and national Model United Nations programs for colleges and universities.

THE WASHINGTON EXPERIENCE

For the student who wishes to spend a semester learning in the nation's capital, the Washington Center for Learning Alternatives (WCLA) provides a variety of possibilities. An internship, supplemented by seminars, may be arranged with any one of more than 400 gov-

ernmental and social agencies. WCLA invites applications without regard to the student's field, but its programs are particularly suitable for those considering a career in law, public administration, or social service. The program is open to all students, and information is available in the Division of Social Sciences.

RESEARCH AND FIELD WORK IN THE NATURAL SCIENCES

Maryville College is an institutional member of the Council on Undergraduate Research. Through several major research facilities, arrangements are made for superior students to participate in state-of-the-art scientific investigations and experience a professional research environment. The National Science Foundation supports a large number of summer undergraduate research programs, and the Science and Engineering Research Semester is open to qualified students in biology, chemistry, computer science, mathematics, and physics. Those accepted into these programs spend a summer, or even a semester at one of several research universities or national laboratories such as Argonne, Brookhaven, Lawrence Berkeley, Lawrence Livermore, Los Alamos, or Pacific Northwest working under the supervision of a scientist or engineer.

At the Savannah River Ecological Station at Aiken, South Carolina, summer programs are offered for the student interested in environmental research or computer modeling systems. For the exceptional biology major, intensive sessions in botany, marine ecology, developmental biology, invertebrate zoology, and neurophysiology are available at the Marine Biological Laboratories of the Woods Hole Oceanographic Institute in Massachusetts and the Whitney Marine Lab in Florida.

Closer to the College campus, faculty regularly have research opportunities open to student participation. The Oak Ridge National Laboratory also affords Maryville students the chance to participate in a variety of short-term and summer research and study programs. The nearby Great Smoky Mountains National Park and Cherokee National Forest provide students with a rich resource for ecological and other field studies.

OAK RIDGE ASSOCIATED UNIVERSITIES

Since 1990, students and faculty of Maryville College have benefited from its membership in Oak Ridge Associated Universities (ORAU). ORAU is a consortium of 91 colleges and universities and a contractor for the U.S. Department of Energy (DOE) located at Oak Ridge, Tennessee. ORAU works with its member institutions to help their students and faculty gain access to federal research facilities throughout the country; to keep its members informed about opportunities for fellowship, scholarship and research appointments; and to organize research alliances among its members.

Through the Oak Ridge Institute for Science and Education (ORISE), the DOE facility that ORAU operates, undergraduates, graduates, postgraduates, as well as faculty enjoy access to a multitude of opportunities for study and research. Students can participate in programs covering a wide variety of disciplines including business, earth sciences, epidemiology, engineering, physics, geological sciences, pharmacology, ocean sciences, biomedical sciences, nuclear chemistry, and mathematics. Many of these programs are especially designed to increase the numbers of under represented minority students pursuing degrees in the science- and engineering-related disciplines. A comprehensive listing of these programs and other opportunities, their disciplines, and details on locations and benefits can be found in the ORISE Catalog of Education and Training Programs, which is available at see.orau.org. Further information is available in the Division of Natural Sciences.

MOUNTAIN CHALLENGE

The Mountain Challenge program provides an opportunity for students to get into the wilderness. Area mountains, lakes, rivers, and woods provide the setting for the various Mountain Challenge activities, which include:

- Ropes Courses
- Rock Climbing and Rappelling
- Bicycle Trips
- Map and Compass
- Mountain Trips and Expeditions
- Canoe/Kayak Trips
- Caving

- Mountain Rescue and First Aid
- Outdoor or Environmentally related service projects

Many of the events in the program require no experience or special equipment. The only requirements are a willingness to try new experiences and a commitment to one's best effort. One credit hour may be earned by participating in five Mountain Challenge activities. Each student may earn up to three credit hours through participation in the Mountain Challenge program. Credit is granted through the activity course offerings in Physical Education.

NONPROFIT LEADERSHIP

The Program for Nonprofit Leadership affords opportunities for a variety of internships in nonprofit organizations such as YWCA and YMCA, Habitat for Humanity, the Urban League, organizations which focus on environmental interests and international non-governmental organizations. The Certificate in Nonprofit Management is awarded by Maryville College in partnership with American Humanics to students who fulfill a prescribed set of competencies. The full program is described under the Nonprofit Leadership Certificate heading in this catalog.

GREAT SMOKY MOUNTAINS INSTITUTE AT TREMONT

The Great Smoky Mountains Institute is located in the National Park just 20 miles from Maryville College. The program focuses on environmental education and on the natural and cultural history of the area. A variety of opportunities at the Great Smoky Mountains Institute are available to Maryville College students. The Institute offers programs for college credit. Internships, practicum experiences, and post-graduate work opportunities are also available. Interns and staff members work principally as instructors for the wide variety of groups that visit the Institute. Further information is available from the Institute Director.

STUDENT LITERACY CORPS

Through the Maryville College Student Literacy Corps (MCSLC), students contribute to educational efforts in the greater community. The Literacy Corps combines traditional academic work and real-world experience to enhance student learning and enable students to make meaningful contributions to the community beyond the campus. In a campus-based component, students investigate and analyze the complex issues surrounding literacy education in the United States. In a community-based component, students participate in tutor orientation and training sponsored by the Maryville College Student Literacy Corps and then work as tutors in community literacy education programs. Tutor site placements include the Blount County jail, the Adult Basic Education Center, the Tennessee Department of Education, and local foundations, agencies, and religious organizations. Arrangements for the granting of credit may be found under Academic Procedures and Regulations.

VOLUNTEER SERVICES

Maryville College offers numerous opportunities for students to become involved in volunteer service. The Director of Volunteer Service coordinates a broad program that includes tutoring, adult literacy, work in social service agencies, environmental projects, and many other possibilities.

MARYVILLE COLLEGE DENSO LEARNING CENTER

The mission of the Maryville College Denso Learning Center is to provide academic enhancement and support to students while encouraging independent learners. All students are encouraged to avail themselves of the services offered. Learning Center services include:

Academic Support Programs – The Learning Center provides a variety of academic support programs including individual and small group tutoring, academic counseling, and study skills information.
Services for Students with Disabilities – The Learning Center is committed to providing reasonable accommodations to students who disclose disabilities that limit their ability to function in an academic setting. Services are designed to meet the needs of students with disabilities, and to make the College campus, programs, and activities more accessible. The services are designed to equalize opportunities for students with disabilities at Maryville College.

Please contact the Learning Center at (865) 981-8124.

CENTER FOR CALLING & CAREER

The Center for Calling & Career serves as an institutional hub for activities that foster moral, spiritual, and personal reflection on issues of life and work. It facilitates placement of students into meaningful internships as well as into significant post-college opportunities. At Maryville College, the question of "living a life" and the question of "making a living" are inseparable. The Center integrates explorations of these two questions.

Among the services available through the Center are information on selection of a major, resumé writing, interviewing, conducting a job search and applying to graduate school. A job, internship and event database, as well as a library and additional computer resources are also available. Among other activities, the Center offers:

- assessment of personal and vocational interests, personality, skills, and values with one-on-one follow-up,
- support in locating summer internships in quality professional, non-profit and corporate work settings,
- opportunities for one-on-one counseling that fosters personal reflection on issues of life and work, and
- assistance in placing graduating seniors into meaningful post-college study or employment.

The Library and Information Technology

The library is part of an integrated information infrastructure that consists of the Library, Instructional Technology, and Information Technology departments. Together, these departments provide computing and information resources and services central to the mission and educational goals of Maryville College.

In its commitment to service, the library provides resources and services designed to stimulate intellectual curiosity and to encourage and teach the use of information.

McQuest, the integrated library system, provides a gateway to materials held in the library, to the library's electronic resources, to materials designed by librarians in support of classroom instruction, and to resources available through the Internet. The collection of approximately 133,000 volumes, complemented by online books and journals, electronic databases and reference sources, and interlibrary services, strives to be current and suited to the research expected of Maryville College students. In cooperation with the faculty, librarians create a carefully selected collection that supports the College's rigorous curriculum and reflects a diversity of viewpoints and modes of inquiry.

The spacious, relaxed atmosphere of the library in historic Thaw Hall provides varied research and study areas, including individual study carrels and group study rooms, all of which are wired for access to the campus network and the Internet. Students also have access to word processing, spreadsheet and other productivity applications in the computer lab located in the Library. In a world of networked information, the library remains committed to providing a physical space that is inviting and user-oriented and that accommodates individual study, collaborative learning, and the building of a community of learning.

The library staff is responsive to individual needs and committed to the highest standards of quality in librarianship and information services. Reference librarians are available during most hours of service and via email to work with students to formulate information needs, identify sources, and assist in their use. Librarians and teaching faculty are partners in the educational process. Information skills are taught across the curriculum with special emphasis during the freshman year. Through individual attention and class instruction, librarians help students develop skills for locating and evaluating information that will serve them in completing independent research and in a lifetime of learning.

The College has a robust and active campus network. All classrooms, offices and residence hall rooms have network connections. Every student is given a network account and is eligible to use the public computing resources in the library. A student's network connection provides access to the Internet, network file storage, and printing. Students who bring a computer equipped with an appropriate Ethernet card can connect to the Maryville College network in their residence hall rooms. Wireless network connections are available in the library and in the student center. Students should contact Information Technology department to ensure their computers meet current minimum specifications for connecting to the campus network.

Technology for teaching and learning supports and enhances the curriculum at Maryville College while maintaining the essential character of the liberal arts experience. Faculty members incorporate a variety of technologies into the teaching and learning experience. Many courses are taught in one of 21 multimedia-capable classrooms, and a number of academic departments have discipline-specific computer labs specifically equipped to meet the learning requirements of students in those programs. Other classes are taught in laptop-equipped classrooms and labs, which encourage students to enhance existing computer skills and acquire new ones. Supplemental course websites and on-line submission of written work are common through email and through our virtual learning portal BlackBoard®.

Degree Requirements

DEGREES OFFERED: BACHELOR OF ARTS, BACHELOR OF MUSIC

BASIC REQUIREMENTS

To receive either degree, the Bachelor of Arts or Bachelor of Music, the student must complete all requirements for that degree specified in the catalog in effect at the time of initial enrollment. For both degrees, a minimum of 128 semester-hours of credit must be earned with a cumulative grade point average of at least 2.00.

For both degrees, the courses taken must satisfy all general education, major, and major-related requirements. The English proficiency examination and a comprehensive examination in the major field must be passed.

Every candidate for a degree is expected to pursue his or her program of studies in residence at Maryville, especially in meeting general education and major requirements. If circumstances warrant, permission may be granted for non-resident credit. Non-resident credit in General Education is limited to 8 hours and is not available to transfer students who have transferred 8 or more hours in General Education. Approval of the appropriate academic division chairperson, Chair of Core Curriculum and the Registrar is required in advance.

As a minimum, each degree candidate must complete at Maryville College 45 credit hours, including 20 in the senior year and nine in the major field. These credit hours must be earned in regular courses taught at the College and may not include internships, practica, student teaching, or credit by examination. An exception to the senior year requirement is made for students in cooperative degree programs, who spend the senior year in residence at the cooperating institution.

THE MARYVILLE CURRICULUM

GENERAL EDUCATION

A broadly based educational experience defines the liberal arts college. All students, regardless of major field, are required to complete the requirements described in a separate section of this catalog headed The Maryville Curriculum, General Education.

MAJORS

As a degree requirement, each student completes an approved program of concentrated study in a major field. The major is commonly taken in a single discipline, along with several courses in related subjects. Some majors are interdisciplinary. An individualized major may be designed, however, to meet particular educational needs.

A disciplinary major consists of a minimum of 30 semester hours in a single discipline, including six hours devoted to a Senior Study, and, for the B.A., a maximum of 56 hours in all principal and related subjects. The teacher licensure track within some majors may exceed the 56-hour limit because of the addition of professional courses. For an individualized major, possible only with the B.A. degree, at least 18 hours in one subject, 12 hours in a related subject, and six hours in Senior Study are required; approval of the Committee on Individualized Instruction must also be obtained.

The student may select a major by the end of the freshman year, but such selection may wait until the sophomore year in some fields. Postponement of the choice beyond the sophomore year, or a subsequent change of field, is likely to delay graduation beyond the normal four years. A student planning to pursue a major in a highly structured program, where the sequence of courses is an important consideration, is encouraged to confer with the appropriate academic division chair early in the first year of enrollment. Such fields include the foreign languages, natural sciences, mathematics, teacher education, physical education, and the cooperative programs in engineering and nursing.

Permission of the academic division chair must be secured in order to major in any field. Approval must be registered on the proper form filed by the adviser with the College Registrar. Continuation in the major is contingent upon satisfactory academic performance. Substitutions for required major courses are granted only in rare instances and require the written approval of the division chair. For all courses taken to satisfy major requirements for both degrees, a cumulative

grade point average of at least 2.00 (2.70 for all teacher licensure majors), must be earned with no more than four semester hours below the grade of "C-."

MAJOR FIELDS

The fields from which majors may be selected are:

BACHELOR OF ARTS

American Sign Language and Deaf Studies
Art
Art History
Biochemistry
Biology*
Business & Organization Management
Chemical Physics
Chemistry*
Child Development and Learning*
Computer Science/Business
Computer Science/Mathematics
Economics*
Engineering
English*
Environmental Studies
Health Care (Nursing)
History*
International Business
International Studies
Mathematics*
Music
Outdoor Recreation
Philosophy
Physical Education*
Political Science*
Psychology
Religion
Sign Language Interpreting
Sociology
Spanish*
Teaching English as a Second Language*
Theatre Studies
Writing/Communication

**Teacher Licensure Track available*

BACHELOR OF MUSIC

Music Education (Vocal-General and Instrumental*)
Performance (Piano and Vocal)
Theory-Composition

*Teacher Licensure Track available

COOPERATIVE, DUAL DEGREE MAJOR PROGRAMS - THE SENIOR YEAR IN ABSENTIA

B.A./B.S. - Engineering
The cooperative, dual-degree in engineering program normally involves three years at Maryville College before transfer to the cooperating institution. Further information is available in the course listings section of this catalog under Engineering. Maryville College maintains formal agreements with several universities.

B.A./M.S.N. - Health Care/Nursing
A cooperative, dual-degree program in nursing is also available. In five years, a student may earn the B.A. in Health Care from Maryville and the M.S. in Nursing from Vanderbilt University. Further information on the nursing program is available in the course listing section of this catalog under Health Care/Nursing.

COMPREHENSIVE EXAMINATION

In the final semester of the senior year every student takes a comprehensive examination in the major field. The examination is designed to test the breadth and depth of understanding of the field, and to assess how well material from individual courses has been integrated.

The nature of the examinations varies from department to department. Some are developed entirely by the department, while others may consist of a national standardized test supplemented by locally developed questions. Some exams include an oral or laboratory component or a recital. Both general and departmentally specific guidelines for comprehensive exams are available from all academic division chairs.

The grade received on the comprehensive examination becomes part of the total academic record, appears on transcripts and figures into the calculation of grade point average (GPA), with the provision that the cumulative GPA does not exceed 4.00. Quality points are added or subtracted according to performance using the following scale:

Grade	# of Quality Points
A, A+	+6
A-	+5
B+	+4
B	+3
B-	+2
C+	+1
C	0
C-	-1
D+	-2
D	-3
D-	-4

Students with transfer credit receive a prorated fraction (total hours complete at Maryville College divided by 128) of the quality points earned according to performance. Passing the comprehensive examination is a requirement of graduation.

SENIOR STUDY

One of the distinctive features of a Maryville education is the Senior Study: The Undergraduate Research and Creative Expression Program of Maryville College. Every degree candidate completes such a project in the major field, under the guidance of a faculty supervisor. The Senior Study facilitates the scholarship of discovery within the major field and integrates those methods with the educational goals fostered through the Maryville Curriculum. Within guidelines established by the academic divisions and in consultation with division faculty, the subject of the project is of the student's choosing and can take various forms, such as literary, scientific, or historical investigation; laboratory, studio or field work; an interpretive effort; or a creative activity. The Senior Study requirement allows the student to exercise initiative, plan and complete a substantial piece of work, and gain the confidence and pride that comes from accomplishment. Regulations governing the Senior Study may be found in the section of this catalog headed Academic Procedures and Regulations.

PLACEMENT TESTING

First time, first year and many transfer students take one or more placement examinations. An exam in mathematics may indicate the need for required remedial work in Fundamentals of Mathematics. This course prepares the student for college-level work and offers three Institutional Credits for satisfactory completion; the credits do not count toward the minimum needed for graduation. A placement exam in English is required for all first time, first year international students. First time, first year students with Advanced Placement credit, dual enrollment credit, or transfer credit in an equivalent course may take an English Placement exam, if they think their command of the material may be sufficient to satisfy the Maryville College Core Curriculum requirement of Composition 110. A foreign language placement exam is recommended for those students who have satisfactorily completed three years study of a single foreign language in high school and/or who think their command of a foreign language may be sufficient for placement in advanced courses and exemption from the foreign language core requirement.

ENGLISH PROFICIENCY EXAMINATION

In coursework and personal relations each student is steadily encouraged to develop the capacity to communicate effectively in written and spoken English. That capacity must also be demonstrated through satisfactory performance on an English proficiency examination, required of every student. The examination consists of an essay on a topic chosen from a group of topics of current interest. The essay is evaluated by two or more members of the English faculty, who consider its organization, grammatical correctness, clarity, and overall quality.

The examination is given at the end of Composition 120. Transfer students who have passed Composition 110 or the equivalent must take the examination during the first semester of enrollment. All students must pass the exam before enrolling in Senior Study, the culmination of work in the major field. Students who fail the examination must attend a workshop, which meets once a week for seven weeks during the fall semester. At the end of the workshop students are retested. Those passing the examination at that time satisfy that prerequisite for Senior Study and may enroll in the 351 portion the following semester if other prerequisites have been met.

Minors

While there is no requirement to do so, any student may elect to complete one or more minor fields. The minor option allows the student to study an area of secondary interest in some depth, and to have that study listed on the academic record. The secondary field may be of a vocational or cultural interest, or it may serve to diversify one's preparation and enhance career opportunities.

A minor consists of at least 15 credit hours in a subject, including 12 hours in courses above the 100-level. Only courses in which a grade of "C-" or better is earned are counted toward minor requirements. If a minor is desired, students should make early plans to schedule the appropriate courses. Because minors are not required and the demand for courses is uncertain, regular offerings of all courses for every minor cannot be guaranteed. Specific requirements for each minor are to be found in the departmental listings.

In certain fields, a minor may serve as an additional endorsement for teacher licensure. Minor requirements for additional endorsements are available from academic advisers in the subject areas and may vary from the requirements for a standard minor.

Minors may be taken in most fields in which a major is offered. In addition, minors are also available in the following areas in which majors are not offered:

Accounting

American Studies

Appalachian Studies

Computer Science

French*

German*

Medieval Studies

Physics

Statistics

**Teacher licensure track available for add-on endorsements.*

Course Listings and Programs of Instruction

The College's major and minor programs are described on the following pages, along with the individual courses that are a part of each program. Only courses offered with some regularity are listed. Experiential education courses offered during the January term are listed annually in a special booklet rather than in this catalog.

Courses numbered 101-199 are primarily for freshmen, 201-299 for sophomores, and 300-399 for juniors and seniors. A few courses numbered 401 and higher are intended primarily for seniors. Close attention should be given to all prerequisites.

Some courses are offered in alternate years; others are offered only as demand warrants. The College reserves the right to withdraw or reschedule any course when the number of qualified enrollees is insufficient or when a qualified faculty member is unavailable in a given term. If there is sufficient demand for additional courses, they may be offered. A detailed Schedule of Courses booklet is published annually. Subject listings are as follows:

Accounting
Alexander Technique
American Sign Language and Deaf Studies
American Studies
Appalachian Studies
Art and Art History
Biology
Business and Organization Management, and Accounting
Chemistry
Child Development and Learning
Computer Science
Dance
Debate
Economics
Education
Engineering
English
English as a Second Language
Environmental Science
Environmental Studies
Foreign Languages
French
German
Health Care/Nursing
History
Humanities
International Business
International Studies
Japanese
Management
Mathematics
Medieval Studies
Music
Non-Profit Leadership Certificate Program
Outdoor Recreation
Philosophy
Physical Education, Health and Recreation
Physics
Political Science
Psychology
Religion
Sign Language/Interpreting
Social Sciences: Interdisciplinary Courses
Sociology
Spanish
Teaching English as a Second Language
Theatre
Writing/Communication

Accounting

Associate Professor Barbara Wells, Chair, Division of Social Sciences

The **Minor in Accounting** is designed to supplement a student's preparation in a major field. It provides additional depth in the field and background for further study. The Minor in Accounting requires completion of 20 credit hours: Business 215, 316, 341, and 365; also required are Economics 201 and one course from Mathematics 125, 221 or 222. Students planning to go to graduate school should select the Mathematics 125 option. To be eligible to take the CPA exam, a person must have 150 college credit hours, including four additional upper level accounting courses beyond what is offered at Maryville College. Superior students interested in accounting who have completed Maryville College degree requirements may be eligible for the 15-month Master of Accountancy program available at the University of Tennessee. Most graduate institutions offer similar programs. Course listings for accounting appear under the Business and Organization Management heading in this catalog.

Alexander Technique

Associate Professor Mark Hall, Chair, Division of Fine Arts

241. Alexander Technique.....1 credit hour
Private lessons in Alexander Technique, a holistic means for optimizing physical performance. (The student registers through the College and pays the lesson fees to the instructor.) One-hour lesson per month, a minimum of two hours practice per week, reading, and writing are required. A maximum of 6 credit hours may be counted toward graduation requirements.

American Sign Language

Assistant Professor April Haggard, Coordinator

Two majors offered at Maryville College draw on American Sign Language, the Major in Sign Language Interpreting and the Major in American Sign Language and Deaf Studies. Courses and major requirements for the Major in Sign Language and Interpreting are listed under Sign Language Interpreting in this catalog. Success in American Sign Language (ASL) and Deaf Studies require being able to perceive signers' faces, hand movements and body movements and being able to convey and receive ASL through these channels quickly at the natural pace of language. Also essential is the ability to perceive and process visual information and eye-hand coordination that allow effective communication. A good foundation in basic ASL is critical to advancing successfully in the Major in ASL and Deaf Studies.

The **Major in American Sign Language and Deaf Studies** is intended for those desiring to pursue studies in the areas of linguistics or anthropology at the graduate level or communication skills/cultural knowledge for use in counseling, social work, teaching, working in schools for the Deaf, or other service fields. Audio-

visual materials are accessible for individual study of a broad cross-section of communication methods. Interactions with D/deaf and hard-of-hearing persons and regular practice using videotaping equipment are principal means for the development of skills. Successful graduates of the ASL studies major will be able to comfortably communicate in ASL receptively and expressively and to interact comfortably and appropriately in the Deaf community at entry level. The Major in American Sign Language and Deaf Studies requires 45 hours with 30 hours beyond ASL 110 and 120 and 15 hours for related courses. Required courses are: ASL 203, 204, SLI 215, ASL 305, 307, 331, 335, 343, and 351-352. Required related courses are Psychology 101, 211 and 306, Social Science 301, and one course from Sociology 202, 211, or Psychology/Sociology 221.

The **Minor in American Sign Language and Deaf Studies** consists of ASL 203 and 307 and nine additional hours above the 100-level. The Minor in American Sign Language and Deaf Studies is not open to interpreting majors.

110. American Sign Language I.....4 credit hours
An introduction to American Sign Language using concepts related to people, places and objects within the immediate environment. Emphasis is placed on appropriate language and cultural behaviors in various situations with students learning grammar in the context of communicative activities. Laboratory classes are used to expand expressive and receptive skills.

120. American Sign Language II.....4 credit hours
Prerequisite: ASL 110 or permission of the instructor
A sequel to ASL 110 which is designed to encourage students to talk about people in a more abstract way and learn to narrate events that occurred in the past. Students learn appropriate cultural behaviors for directing and maintaining attention as well as strategies for controlling the pace of conversation and resuming conversations after an interruption. Laboratory classes are used to expand expressive and receptive skills.

203. American Sign Language III.....3 credit hours
Prerequisite: ASL 110-120 or permission of the instructor
A sequel to ASL 110-120 designed to encourage students to talk about people in a more abstract way and to talk about the environment removed from the classroom. Students learn also to narrate past events. Laboratory classes are used to expand expressive and receptive skills.

204. American Sign Language IV.....3 credit hours
Prerequisite: American Sign Language 203 or placement into the course
Students increase vocabulary, develop everyday conversational skills, develop skills to translate written text into ASL, and improve ability to make formal presentations in ASL. Laboratory classes are used to expand expressive and receptive skills.

305. American Sign Language V.....3 credit hours
Prerequisite: American Sign Language 204 or placement into the course
Vocabulary building and mastery of grammar through rigorous receptive and expressive language activities. Includes student-led discussions and debates on topics in Deaf culture, society, and current affairs. Introduces language forms found in ASL storytelling.

307. History and Culture of the American Deaf Community.....3 credit hours
Prerequisite: Junior level standing or permission of the instructor
The history of Deaf people in the Western world, with emphasis on the American Deaf community and the status of Deaf people as both a linguistic and cultural minority. Designed for individuals who may or may not have had prior experience with Deaf people, the course raises questions concerning the nature of sign language and its various categories, the education of Deaf people, the historical treatment of deafness, and the sociological and cultural makeup of Deaf individuals.

331. Introduction to Linguistics of ASL...3 credit hours
Prerequisite or co-requisite: Psychology 306
Conducted in ASL, the course is descriptive and data-oriented rather than theoretical. An introduction to the "phonology," grammar, and semantics of ASL, including studies of variations in structure related to factors of region, social class, ethnicity, age, and sex. There will be extensive use of research articles.

335. ASL Literature.....3 credit hours
Prerequisite: ASL 305
Focuses on various genres of literature by and about Deaf people. Concentrates on Deaf characters and the influences Deaf culture and Deaf history have on literary works from the early 1900s to the present. There will be extensive use of videotaped materials.

337. Internship.....9 to 15 credit hours
Practical experience in a professional environment with supervision approved department faculty. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum.....3 credit hours
Practical experience in a professional environment with supervision by an agency staff person approved by department faculty. One credit hour is associated with each three hours of work every week for a 14-week semester.

349. Seminar.....3 credit hours
Selected topics in deaf studies/interpreting. Offered as demand warrants.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing and Social Science 301
The Senior Study requirement is fulfilled with this two-course sequence. Independent study with the guidance of a faculty supervisor, with an emphasis on skills-based projects.

American Studies

Associate Professor William Phillips, Coordinator

The **Minor in American Studies** consists of 15 credit hours and involves courses in seven fields. Required are one course in English chosen from English 221, 222 or 322; one course in History chosen from History 111, 112, 203, 251 or 303 and Political Science 122. Majors in English, History, and Political Science are required to take the two additional courses outside of their major field. These six additional hours are to be selected from the following list of courses. Courses are described under respective departmental listings.

English 221: American Literature: Puritan through Romantic
English 222: American Literature: Realism to the Present
English 322: Advanced Studies in American Literature

History 111: Colonial and Revolutionary America
History 112: History of the United States in the 19th Century
History 203: History of the United States in the 20th Century
History/Business/Economics 251: Economic History of the United States
History 303: Studies in United States History

Music 312: History of Music in the United States

Philosophy 211: American Philosophy

Political Science 122: American Government and Politics
Political Science 321: American Political Process
Political Science 322: The Judicial Process

Religion 211: The American Religious Experience

Theatre 315: American Theatre History

Appalachian Studies

Associate Professor Daniel Klingensmith, Coordinator

The **Minor in Appalachian Studies** consists of at least 15 credit hours and involves coursework from a variety of fields. Sociology 222 is required of all minors, and the additional twelve hours may be chosen from the following list of courses. Descriptions of these courses can be found under respective departmental listings, except for January term experiential courses, which are described in yearly pre-registration materials.

History 249: Appalachian History and Literature
Religion 209: Religion in the Southern Appalachians
Biology 311: Natural History of the Southern Appalachians
Appropriate January Term Experiential Offering

With approval of the Appalachian Studies Coordinator and the appropriate academic division chair, various special topics courses (designated 349) and Practicum courses (designated 343) may satisfy requirements of the minor.

Art and Art History

Associate Professor Mark Hall, Chair, Division of Fine Arts

The **Major in Art** consists of at least 46 credit hours in studio art and art history. Required courses are 102, 111, 121, 123, 212, 311, 351-352, 399 and seven additional three-credit-hour courses in studio art or art history. A minimum of 12 credit hours must be taken in a single area of concentration selected from visual communication, photography, painting, or drawing; neither ART 102, nor Senior Project 351-352, nor more than three hours of practicum credit may count toward this concentration requirement. Each student is required to prepare and present to the public a portfolio of his or her work.

The **Major in Art History** consists of at 48 credit hours in art history, studio art and related courses. Required courses in Art are studio courses 102 and 121; Art 204 (3 credit hours); art history courses Art 111, 212, 311, 312, 313, 314 and 315; and Art 351-352. Related requirements are Humanities 201, History 242 or 243, and two semesters of a foreign language beyond the 100-level. A semester of study abroad is strongly encouraged.

The **Minor in Art** consists of 15 credit hours including one course chosen from 102, 103, 121 or 122, either 111 or 212, and three additional 3-credit courses in studio art. Concentration in a single studio discipline is usually advised. The Minor in Art is not open to students majoring in Art History.

The **Minor in Art History** consists of 15 credit hours in art history including Art 111, 212, and nine additional credit hours selected from Art 204, 311, 312, 313, 314, and 315. No more than three hours of Art 204 may be counted toward the minor. The Minor in Art History is not open to students majoring in art.

102. Introduction to Two-Dimensional Design.....3 credit hours
An introduction to the principles of art structure in two dimensions taught through experimental exercises and applied problems in the visual organization of line, volume, mass, texture, movement, and color. Workshops, lectures, demonstrations, and individual and group critiques are used.

103. Introduction to Sculpture and Three-Dimensional Design.....3 credit hours
An examination of basic problems involving form, light, color, and volume. Materials considered include clay, metal, wire, wood, paper, plaster, and various new media. The possibilities and limitations of tools, equipment, techniques, and materials are explored. Acquisition and development of skills are stressed through workshops, demonstrations, lectures, and critiques.

111. Survey of Ancient Through Medieval Art.....3 credit hours
An introduction to Art History including the concepts of visual analysis, historical and stylistic periods, and content analysis. Students study the painting, sculpture, and architecture of the Western world from Paleolithic through medieval periods. Taught through illustrated lecture and discussion, the course examines the canon of Western art, its function and relation to its overall culture.

121. Introduction to Drawing.....3 credit hours
An introduction to fundamental aspects of drawing including line, value, form, space, and composition. Emphasis is placed on increasing visual awareness, developing proficiency in various media, and improving drawing skills.

122. Introduction to Painting.....3 credit hours
Prerequisite: Art 121 or permission of the instructor
An introduction to the materials and techniques of acrylic painting. Emphasis is placed on refining powers of observation (including work from live models), composition, and color theory.

123. Visual Communication 1.....3 credit hours
Prerequisite: Art 102
A problem-based, thematic introduction to Visual Communication. Introduction to the design process, basic tools and techniques, and the various design professions.

124. Introduction to Photography.....3 credit hours
Photography considered as an art form, with attention to basic concepts, techniques, and processes. The adjustable camera, lighting, exposure, film and darkroom procedures are studied. Other electronic imaging considered as time permits. 35mm SLR camera required.

125. Introduction to Pottery.....3 credit hours
An introductory course in the basic techniques for clay preparation and handbuilding. Wheel throwing, glaze and slip application, decorating and firing techniques are included. The applications of clay and other media in relief and three-dimensional works are considered; traditional and contemporary uses are encouraged.

126. Introduction to Printmaking.....3 credit hours
Prerequisite: Art 121 or permission of the instructor
An introduction to the materials and techniques of one of traditional printmaking media: relief, intaglio, lithography or serigraphy. Topics covered include use of inks, printing processes, papers, image making techniques and history. Workshops, lectures, demonstrations and critiques are used. May be taken for credit in more than one medium.

204. Applied Art History.....1 credit hour
Prerequisites: At least sophomore standing; and Art 111 or 212
Students learn to shoot, mask, label and catalog slides and the basics of curation and gallery management. Class meets weekly for one hour; up to three additional hours per week during the semester are spent in the slide library and/or gallery. May be repeated for a maximum of 6 credit hours.

212. Renaissance, Baroque and Modern Art.....3 credit hours
Prerequisite: Sophomore standing
A survey of Western art from the 14th through the 20th centuries. Taught through illustrated lecture and discussion, the course examines changes of style, iconography and function, changing conceptions of art and artists, and various methods of the art historian.

221. Drawing 2.....3 credit hours
Prerequisite: Art 121
A problem-based, thematic continuation of Drawing 1 focused on life drawing. Emphasis is placed on refining observation skills, exploring new and mixed media and techniques, and developing meaningful content. Students participate in a public end-of-term critique.

222. Painting 2.....3 credit hours
Prerequisite: Art 122
A problem-based, thematic continuation of Painting 1. Emphasis is placed on refining observation skills, exploring new and mixed media and techniques, and developing meaningful content. Students participate in a public end-of-term critique.

223. Visual Communication 2.....3 credit hours
Prerequisite: Art 123
A problem-based, thematic continuation of Visual Communication 1. Students become more proficient with basic design software, and solve specific design problems working with real and hypothetical clients. Other topics may include typography, presentation graphics, and production processes. Students participate in a public end-of-term critique.

224. Photography 2.....3 credit hours
Prerequisite: Art 124
A problem-based, thematic continuation of Photography 1. Further study of darkroom techniques, alternative printing processes, lighting. Emphasis is placed on developing meaningful content. Students participate in a public end-of-term critique.

311. 20th Century Art.....3 credit hours
Prerequisite: Sophomore standing
A survey of the visual arts of the twentieth century. Instruction balanced lecture, discussion, and independent research. The course examines various styles, movements, and technological developments in relation to historical, social and political contexts. Theory and criticism are considered as well.

312. Studies in Ancient Art .....3 credit hours
Prerequisite: Art 111 or permission of instructor
An in-depth study in art history from the ancient world. The course examines history, styles, cultural ideas, technology, religion, and politics and how art reflects and influences these human endeavors.

313. Studies in Medieval Art .....3 credit hours
Prerequisite: Art 111 or permission of instructor
An in-depth study in art history from a period beginning with the Early Christian and extending through the late Gothic. The course examines history, styles, cultural ideas, technology, religion, and politics and how art reflects and influences these human endeavors.

314. Studies in Renaissance Art .....3 credit hours
Prerequisite: Art 212 or permission of instructor
An in-depth study in art history from the 15th through the 17th centuries. The course examines history, styles, cultural ideas, technology, religion, and politics and how art reflects and influences these human endeavors.

315. Studies in Art Since 1750.....3 credit hours
Prerequisite: Art 212 or permission of instructor
An in-depth study in art history from the 18th and 19th centuries. The course examines history, styles, cultural ideas, technology, religion, and politics and how art reflects and influences these human endeavors.

321. Drawing 3.....3 credit hours
Prerequisite: Art 221
A problem-based, thematic continuation of Drawing 2. Using the human figure as a focus, students concentrate on one medium or genre. Emphasis is placed on refining and expanding meaningful content. Students participate in a public end-of-term critique.

322. Painting 3.....3 credit hours
Prerequisite: Art 222
A problem-based, thematic continuation of Painting 2. Students concentrate on one medium or genre. Emphasis is placed on refining and expanding meaningful content. Students participate in a public end-of-term critique.

323. Visual Communication 3.....3 credit hours
Prerequisite: Art 223
A problem-based, thematic continuation of Visual Communication 2. Students solve advanced design problems in electronic and print formats. Topics may include advanced typography, color, multimedia, and advanced production problems. Students participate in a public end-of-term critique.

324. Photography 3.....3 credit hours
Prerequisite: Art 224
A problem-based, thematic continuation of Photography 2. Advanced study of darkroom techniques, alternative printing processes, and lighting. Students concentrate on one medium or genre. Emphasis is placed on refining and expanding meaningful content. Students participate in a public end-of-term critique.

337. Internship.....7 to 15 credit hours
Prerequisites: 3 credit hours of Art 221, 222, 223 or 224 and permission of the instructor
Opportunities are available in a variety of settings: commercial firms, advertising agencies, studios of professional artists.

343. Practica.....2 to 6 credit hours
Prerequisites: 3 credit hours of Art 221, 222, 223 or 224 and permission of the instructor
Opportunities are available in a variety of settings: commercial firms, advertising agencies, studios of professional artists.

349. Topics in Art.....3 credit hours
Prerequisite: Permission of the instructor
Topics, selected in accordance with student interest, may include studio areas not usually offered, art philosophy and criticism, museology and conservation, and interdisciplinary offerings.

351-352. Senior Project.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing, and 9 credit hours in a single studio area selected from visual communication, photography, painting, and drawing | Pre- or Co-requisite: an additional 3 credit hours from the same studio area
The Senior Study requirement is fulfilled with this two-course sequence. The Senior Project involves indi-

vidual research and production with the guidance of a faculty supervisor.

399. Research Seminar in Art.....1 credit hour
Prerequisites: Junior standing and at least 18 hours in Art courses
Professional activities and topics in the field of art that prepare the student for issues related to free-lance employment, copyrights, legal & ethical issues, presentation and display techniques, promotion, galleries and museums, professional presentations, and potential Senior Project topics. Class formats include guest speakers, field trips, readings and discussion.

401. Advanced Studio.....3 credit hours
Prerequisite: Permission of the instructor
Individual, advanced study in one of the following areas: drawing, painting, visual communication or photography. Taken after three semesters study in a particular area.

Biology

Associate Professor W. Benjamin Cash, Chair, Division of Natural Sciences

The curriculum in biology provides the student sound preparation in the major areas of biological science while permitting concentration in specialized areas of particular interest. Field study in the nearby mountains and lakes and opportunity for research through Oak Ridge Associated Universities and National Laboratories such as Argonne, Brookhaven and Oak Ridge complement the curriculum.

The Major in Biology provides a comprehensive curriculum for students planning careers in which biological knowledge plays a central role. With careful elective choice students may pursue careers as professional biologists in any of the numerous sub fields and enter graduate school programs that lead to research-oriented careers, or they may enter medical school or other health-related programs.

The **Major in Biology** consists of 51 hours in biology and chemistry. Required coursework includes Biology 113, 115, 221, 222, 299, 351, 352, 301 or 355, 305 or 307, 321 or 341, 412 or 414, and one additional four-hour course chosen from other 300- or 400-level Biology courses (excluding Biology 311, 337, and 343); and Chemistry 121 and 122. Through a four-year plan developed in consultation with an academic adviser, students develop a program of elective coursework in a variety of subjects individualized to their career goals. Specific requirements of particular post-graduate institutions should be ascertained early in the undergraduate program since they may require courses for admission beyond the minimum required for the major in biology. An adviser on Health-Related Professions is available to assist students planning careers in medicine and other health professions. The Major in Biology is not open to students majoring in Biochemistry.

The **Major in Biology for Teacher Licensure** is designed for students planning careers as teachers of biology and of general science and physical science at the secondary level. The Major in Biology for Teacher Licensure consists of 43 hours in major and related fields. Required coursework includes Biology 113, 115, 221, 222, 299, 321, 351, 352, 412; Chemistry 121 and 122; and Mathematics 115. The Natural Science 150 general education requirement must be satisfied with astronomy. Additional liberal studies requirements are Psychology 101, Sociology 271, and Biology 311. Students pursuing this major must complete 29 hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

Requirements for the **Major in Biochemistry** are listed in the Chemistry section of this catalog.

The **Minor in Biology** requires a minimum of 21 hours, including Biology 113, 115, 221, 222; Biology 299 or Chemistry 399; and at least one course at the 300- or 400-level that satisfies requirements for the Major in Biology. The Minor in Biology is not open to students majoring in Biochemistry.

113. Principles of Organismal Biology...4 credit hours
An introduction to the fundamental principles and concepts of organismal biology. Topics include: a phylogenetic survey of the Kingdoms with emphasis on Plantae and Animalia; a review of Mendelian genetics; and an introduction to the evolution of living organisms through natural selection. Laboratory work supplements and expands lecture topics as well as provides an introduction to scientific observation, use of the microscope, collection and analysis of data, and construction of laboratory reports.

115. Principles of Cellular Biology.....4 credit hours
An introduction to the fundamental principles and concepts of cellular biology. Topics include cellular ultrastructure and physiology; basic biochemistry of the cell; bioenergetics; photosynthesis; and nuclear and cell division. Laboratory work supplements and expands lecture topics, and deals with cellular organization and function as well as biochemical and physiological processes. An emphasis is placed on collection, analysis, and presentation of data.

217. Human Anatomy and Physiology I...3 credit hours
A survey of the structure and function of the human integumentary, nervous, skeletal, and muscular systems. An introduction to cells and tissues is included. Laboratory work involves examination of models, mammalian dissections, and the study of skeletons.

218. Human Anatomy and Physiology II.....4 credit hours
Prerequisite: Biology 217
A survey of the structure and function of the human digestive, respiratory, circulatory, immune, urinary, endocrine, and reproductive systems in humans. Laboratory work involves examination of models, mammalian dissections, and measurement of physiological processes.

221. Genetics.....4 credit hours
Prerequisite: Biology 115
A survey of genetics which blends classical concepts (Mendelian and population genetics) with modern biochemical and molecular explanations. The course emphasizes gene expression and regulation in both prokaryotes and eukaryotes, non-Mendelian inheritance, and the ethical aspects of genetic engineering. Laboratory work provides opportunities to use classical genetics as well as biochemical and molecular techniques.

222. Ecology and Evolution.....4 credit hours
Prerequisite: Biology 113
A study of the basic concepts and fundamentals in ecology and evolutionary biology. Emphasis is placed on the major principles in ecology and the important integrating evolutionary concepts. Major lecture topics include: historical aspects of ecology and evolution, Darwinian evolution, adaptation, natural selection, population ecology, community ecology, physiological and behavioral ecology, and large-scale ecology. The laboratory concentrates on the design and analysis of ecological observations and experiments in the field. Some late afternoon and weekend field trips are required.

299. Biology Research Methods.....1 credit hour
Prerequisite: Biology 221
Topics addressed include experimental design, ethical standards within the profession, primary literature searching and review, data analysis, interpretation of scientific papers, and oral presentations.

301. Cell and Tissue Biology.....4 credit hours
Prerequisites: Biology 221 and Chemistry 122
An advanced study of the structure and function of cells and tissues from plants and animals. The course examines processes of the whole cell and includes bioenergetics, membrane transport, cell signaling, and cell movement as well as developmental processes such as migration of cells and differentiation of cells into the various tissue types. Laboratory work emphasizes the microscopic identification of cells and tissues and culminates in an individualized cell/tissue culturing project.

305. Plant .....4 credit hours
Prerequisites: Biology 113, Biology 115, and at least sophomore standing | Pre or co-requisite: Chemistry 122
A phylogenetic survey of organisms traditionally considered plants. Major taxa of cyanobacteria, fungus-like protists, fungi, algae, and plants are examined. Laboratory exercises investigate the distinguishing characteristics of representative members of these taxa.

307. Flowering Plants.....4 credit hours
Prerequisites: Biology 113, Biology 115, and at least sophomore standing | Pre or co-requisite: Chemistry 122
An integrative investigation of the biology of the angiosperms. The relationship between structure and function is examined from germination through development of the primary and secondary body to flowering, fruiting, and seed set. Taxonomy is introduced through the study of selected families. Laboratory exercises investigate the anatomical construction and metabolic processes of angiosperms and introduce techniques for the identification of species native to and naturalized in eastern Tennessee.

311. Natural History of the Southern Appalachians.....4 credit hours
Prerequisite: Natural Science 150 or other laboratory science course
An investigation of the landforms, flora, and fauna of the Southern Appalachians. Topics include: relationships between climate, geology, and topographic features; recognition of common biotic communities; identification of characteristic plants, animals, and fungi along with their habitats; roles played by plants, animals and fungi within communities; and impact of human activity on ecosystems in the region. Laboratory exercises incorporate field work in the Maryville College woods and local points on interest, including the Great Smoky Mountains National Park.

321. Comparative Vertebrate Zoology...4 credit hours
Prerequisites: Biology 113, Biology 115, and junior standing
A comparative study of the animals in the vertebrate classes. Lecture topics include: evolution of the structure and function of the major organ systems of vertebrates; taxonomy and phylogeny of vertebrates; and the major physiological and behavioral adaptations exhibited by the vertebrate groups. Laboratory work includes the dissection of specific organ systems in representative vertebrate species.

337. Internship in Biology.....7 to 15 credit hours
Prerequisites: At least 2.8 GPA in major/related courses, junior or senior standing and division approval
Practical off-campus experiences that apply methodologies and techniques of the biological sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each week of full-time employment.

341. Comparative Invertebrate Zoology...4 credit hours
Prerequisites: Biology 113, Biology 115, and junior standing
A comparative study of invertebrates. Lecture topics emphasize the evolution of invertebrate groups with discussion of the important characteristics that distinguish each major taxonomic level. The laboratory emphasizes experience in the collection, classification and preservation of all invertebrate groups, culminating with an invertebrate collection. Field experience is an integral part of the laboratory component, and an extended coastal field trip is required.

343. Practicum in Biology.....2 to 6 credit hours
Prerequisites: At least 2.8 GPA in major/related courses, junior or senior standing and division approval
Practical experiences, either on or off campus, that apply methodologies and techniques of the biological sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each three hours of work every week for a 14-week semester.

349. Topics in Biology.....1 to 4 credit hours
Prerequisites: At least 17 hours in biology courses that satisfy major requirements, and junior or senior standing, or permission of the instructor
Seminars and laboratory courses involving the detailed study of advanced topics in biology not encountered in other course work. Potential topics could include animal behavior, immunology, and plant ecology.

351-352. Senior Study: Research in Biology.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing, at least 21 hours in biology courses that satisfy the requirements for a Major in Biology, and 8 hours in chemistry
The Senior Study requirement is fulfilled with this two-course sequence. Research in biology involves independent research under the guidance of a faculty advisor. The project culminates in formal presentation of a written document with appropriate supporting materials and an oral presentation.

355. Microbiology.....4 credit hours
Prerequisite: Biology 221 | Pre or co-requisite: Chemistry 122
The basic principles and methodologies of the study of microbial organisms with emphasis on the eubacteria. Topics include: cellular ultrastructure and physiology; microbial metabolism and growth; properties and reproduction of viruses; microbial ecology; pathogenicity; and industrial applications of microbiology. Laboratory work stresses basic research techniques: microscopy, culture growth, isolation, and identification of microbes.

403. Vertebrate Field Zoology.....4 credit hours
Prerequisites: Biology 113, Biology 222, and junior or senior standing
An integrative study of a particular group of vertebrate animals. This course may be taught as ichthyology (study of fishes), herpetology (study of amphibians and reptiles), or ornithology (study of birds). Taxonomic, physiological, behavioral, ecological, and population aspects of the animals will be examined. Laboratory work emphasizes identification and characterization of animals in southern Appalachian Mountains through extensive trips in the field.

406. Molecular Biology.....4 credit hours
Prerequisites: Biology 221, Chemistry 224 and at least one course from among Biology 301, 355, and Chemistry 311
A survey of molecular biology which emphasizes traditional research areas such as DNA, RNA and protein

structure and function. The uses of molecular biology techniques in such diverse fields as immunology, genetics, and animal and plant physiology are examined. In the laboratory students learn methods used to isolate and manipulate DNA.

412. Animal Physiology.....4 credit hours
Prerequisites: Biology 115, Chemistry 122 and junior or senior standing
An advanced study of the major physiological systems including respiration, circulation, excretion, osmoregulation, sensory physiology, neurophysiology, muscles, endocrinology, reproduction and integrative system function (growth, metabolism, temperature regulation). Emphasis is placed on human homeostasis and deviation from homeostasis (disease), as well as on comparative physiology. Laboratory work employs methods used in animal physiology and involves both student and animal subjects, and emphasizes all aspects of the scientific process (hypothesis, experimental design, data analysis and presentation).

413. Microbial Ecology.....4 credit hours
Prerequisites: Biology 221, 222 and Chemistry 122
Structure, function, and diversity of the protists with an emphasis on evolutionary history and ecological significance. Laboratory work includes identification of organisms and recognition of common structures related to evolutionary history.

414. Developmental Biology.....4 credit hours
Prerequisites: Biology 115, Chemistry 122, and junior or senior standing
A study of the developmental biology of animals, primarily vertebrates, from fertilization through organogenesis. This course will investigate the events and mechanisms fundamental to the development of animal form and function. Laboratory work includes both classic embryology study and modern experimental methods in developmental biology.

416. Advanced Topics in Biochemistry and Molecular Biology .....4 credit hours
Prerequisite: Chemistry 316 and Biology 221
The molecular mechanism regulating metabolism, catabolism and the flow of genetic information in response to cellular stimuli are explored. Applications of biochemistry and molecular biology are discussed in the contexts of biotechnology, disease, and drug design. In the laboratory, students build on techniques introduced in prerequisite course to complete bioinformatics and molecular cloning projects that culminate with the expression, purification, and functional analysis of a selected protein.

Business and Organization Management, and Accounting

Associate Professor Barbara Wells, Chair, Division of Social Sciences

The Major in Business and Organization Management is designed to give the student a knowledge of the basic principles and analytical tools of organization management and an understanding of the social, economic, and political environments in which organizations operate. This approach makes it possible for the student to consider a range of career fields in the for-profit, not-for-profit, and public sectors. The major also provides the student a foundation for future graduate study.

The **Major in Business and Organization Management** consists of a minimum of 46 hours in business and related fields. Required courses are Business 201, 215, 305, 344, 351-352, 401, Economics 201, and Sociology 101. The student must also complete one course in economics at the 300-level, and one course from among Political Science 121, 122, 211, 212, and 232. Also required is one course from Mathematics 125, 221 or 222. In addition, each student must complete at least 9 hours chosen from any course listed in business and economics, or could include Social Science 301, Sociology/Psychology 221, English 317, and Sociology 315.

A **Major in International Business** is also available. Requirements are listed under International Business in this catalog.

The **Minor in Business and Organization Management** consists of a minimum of 16 hours, including Business 201, 215, and Economics 201. The minor is completed with six additional hours chosen from business or economics courses. The minor is not open to students majoring in International Business.

The **Minor in Accounting** is designed to supplement a student's preparation in a major field. It provides additional depth in the field and background for further study. The Minor in Accounting requires completion of 20 credit hours: Business 215, 316, 365, and 341; also required are Economics 201 and one course from Mathematics 125, 221, or 222. Students planning to go to graduate school should select the Mathematics 125 option. To be eligible to take the CPA exam, a person must have 150 college credit hours, including four additional upper level accounting courses beyond what is offered at Maryville College. Superior students interested in accounting who have completed Maryville College degree requirements may be eligible for the 15-month Master of Accountancy program available at the University of Tennessee. Most graduate institutions offer similar programs.

201. Principles of Management.....3 credit hours
Prerequisite: Sophomore standing
Study of modern managerial principles and processes relating to business, government, non-profit organizations, churches and schools. Emphasis on the basic management functions of planning, organizing, leading, and evaluating and on the evolution of management theory and practice.

215. Principles of Accounting.....3 credit hours
An introduction to the process of analyzing and recording financial transactions for the purpose of preparing financial statements, cash flow budgets, ratio analysis, and using other financial tools. Emphasis on how transactions affect the financial position of the organization.

251. Economic History of the United States.....3 credit hours
Survey of American economic development from colonial times to the present. Special emphasis on the economic development of the South, the industrialization of the American economy, the development of banking and the impact of international trade.

305. Organizational Behavior.....3 credit hours
Prerequisites: Sociology 101 and junior standing
Analysis of complex organizations and bureaucracy. The goals, design, internal structure and environmental relations of organizations. The focus is on the individual, the group and the organization as units of analysis.

316. Management Accounting.....3 credit hours
Prerequisite: Business 215
Internal use of accounting information by managers in decision-making. The generation and use of information in all types of organizations - including non-profits for planning and control purposes, including budgeting and various decision-making circumstances.

329. International Business.....3 credit hours
Prerequisites: Junior standing, Business 201 and 215
An introduction to the fundamental economic, cultural, legal, and political issues involved in transacting business in an international setting. Among topics discussed are government influence on trade, international financial markets, and social issues. May involve readings in the student's second language.

333. Human Resource Management....3 credit hours
Prerequisite: Business 201
The acquisition, development, and management of human resources. Applied approaches to the legal, psychological, sociological, and technical dimensions of human resources.

337. Internship in Business and Organization Management.....7 to 15 credit hours
Prerequisites: Junior standing and permission of the Division of Social Sciences Chair
Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

341. Business Law.....3 credit hours
Prerequisite: Junior standing
An introduction to the U.S. legal system involving case studies. Torts, contracts, agency and employment relationships, and commercial papers are considered.

342. Marketing.....3 credit hours
Prerequisite: Junior standing
An examination of individual and organizational activities aimed at facilitating market exchanges. Emphasis is on the mix of marketing variables (product, place, price, and promotion) and how they influence and are influenced by marketing research and market segmentation.

343. Practicum in Business.....2 or 3 credit hours
Prerequisites: Junior standing and permission of the Division of Social Sciences Chair
Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to business majors. Not to be counted toward a major in business and organization management. One credit hour is associated with each three hours of work every week for a 14-week semester.

344. Principles of Finance .....3 credit hours
Prerequisite: Business 215
Principles of financial management, including ratio analysis, capital budgeting and cost of capital. Includes an introduction to financial markets and the valuation of financial investments.

345. Investment Analysis.....3 credit hours
Prerequisite: Business 344 or permission of instructor
A study of modern theoretical approaches to portfolio development and financial security analysis. The course examines various investment instruments and their role in an investment portfolio. Current investment strategies such as social investing, indexing, and fundamental and technical analysis are evaluated.

346. Management Through Literature...3 credit hours
Prerequisite: Business 201
A study of managers and management style as depicted in creative literature.

349. Selected Topics in Business.....3 credit hours
Prerequisite: Six hours in management or business
Examination of topics in business. Topics vary depending on interest of faculty and students. Offered as demand warrants.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, and junior standing
The Senior Study requirement is fulfilled with this two-course sequence. Individual study, with the guidance of a faculty supervisor, that provides experience in independent research and the preparation of a formal paper.

365. Intermediate Accounting.....3 credit hours
Prerequisites: Junior standing and Business 215 and 316
Theory, principles, and procedures related to valuation of assets, liabilities, and equities; measurement of periodic income; and preparation of financial statements.

401. Strategic Management.....3 credit hours
Prerequisites: Senior standing, BUS 344 or permission of the instructor
Emphasizes the integration of knowledge through analysis of business and organizational management in business, government, church, school, and other organizations. The case study method is used. Open only to students majoring in Business and Organization Management, Computer Science/Business, or International Business.

Associate Professor W. Benjamin Cash, Chair, Division of Natural Sciences

The curriculum in chemistry affords the student sound training in the principles and techniques of modern chemical theory and experimentation. The program integrates laboratory, theoretical, and research skills to provide the range of abilities needed by the practicing chemist, and yet permits concentration in the organic, biochemical, analytical or physical sub disciplines. Opportunity for research through the Oak Ridge Associated Universities and National Laboratories such as Argonne, Brookhaven, Los Alamos, and Oak Ridge complement the curriculum.

Three distinct major programs are offered. The Major in Chemistry provides a comprehensive curriculum for students planning careers in which chemical knowledge plays a central role. With careful elective choice students may pursue careers as professional chemists and enter graduate school programs that lead to a variety of research-oriented careers, or they may enter medical school or other health-related programs. The **Major in Chemistry** consists of 51/53 hours of chemistry and related fields. Required coursework includes Chemistry 121, 122, 223, 224, 264, 351, 352, 381, 391, 399, and one course chosen from 316, 365, 416 and 425; Mathematics 125 and 225; and either Physics 101 and 102 or Physics 201 and 202. Specific requirements of particular post-graduate institutions should be ascertained early in the undergraduate program since these requirements may require courses for admission beyond the minimum required for the major in chemistry. An adviser on Health-Related Professions is available to assist students planning careers in medicine and other health professions.

The **Major in Chemistry for Teacher Licensure** consists of 47 hours in chemistry and related courses and is designed to accommodate students planning careers as teachers of chemistry and of general and physical science at the secondary level. Required coursework includes Chemistry 121, 122, 223, 224, 264, 316 or 365, 351, 352, and 399; Biology 311; Mathematics 115 and 125; and Physics 101. The Natural Science 150 general education requirement must be satisfied with astronomy. Additional liberal studies requirements are Psychology 101, and Sociology 271. Students pursuing this major must complete 29 hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

The **Major in Biochemistry** consists of 55 hours in chemistry, biology and related fields and provides an interdisciplinary curriculum for students planning careers expected to have significant biochemical emphases. With careful elective choice students may pursue careers as professional chemists, enter graduate school programs that lead to a variety of research-oriented careers, or they may enter medical school or other health-related programs. Required coursework includes Chemistry 121, 122, 223, 224, 316, 351, 352, and 399; Biology 115 and 221; Chemistry/Biology 416; Mathematics 125 and 225; and either Physics 101 and 102 or Physics 201 and 202. Specific requirements of particular post-graduate institutions should be determined early in the undergraduate program since these requirements may require courses for admission beyond the minimum required for the biochemistry major. An adviser on Health-Related Professions is available to assist students planning careers in medicine and other health professions. Suggested languages are Spanish, German and French.

Requirements for the **Major in Chemical Physics** are listed in the Physics section of this catalog.

The **Minor in Chemistry** requires a minimum of 20 hours, including Chemistry 121, 122, 223, 224; Chemistry 399 or Biology 299; and at least three additional hours in chemistry courses that satisfy requirements for the Major in Chemistry. The Minor in Chemistry is not open to students majoring in Biochemistry or Chemical Physics.

121. Principles of Chemistry I.....4 credit hours
Prerequisites: Qualification to enter Mathematics 115 and either high school chemistry or sophomore standing
An introduction to the principles which govern the behavior of chemical and physical systems. Among topics discussed are elements, compounds and the periodic table; chemical reactions and stoichiometry; thermochemistry; atomic theory; quantum theory of atoms and molecules; chemical periodicity; bonding and molecular structure. Laboratory exercises stress development of proper experimental technique and interpretation of empirical data.

122. Principles of Chemistry II.....4 credit hours
Prerequisite: Chemistry 121
Continuation of Chemistry 121. Topics include: gas laws and kinetic molecular theory; molecular polarity and intermolecular forces; modern spectroscopic structure determination; physical and colligative properties of liquids and solutions; reaction kinetics; general and acid-base equilibria, pH, and buffers; ionic solid solubility; free energy and entropy relations; electrochemical phenomenal and organic compounds. The laboratory continues development of manipulative skills, with emphasis on quantitative as well as qualitative procedures. Skills in scientific writing are developed through formal laboratory reports.

223. Organic Chemistry I.....4 credit hours
Prerequisite: Chemistry 122
An introduction to the chemistry of carbon compounds. Nomenclature (IUPAC) and chemistry principles of both aliphatic and aromatic hydrocarbons and heteroatomic functional groups are emphasized. Physical and chemical properties, synthetic mechanisms, and spectroscopic properties, and organic chemical synthetic methods are studied for each of the major functional groups. Emphasis is placed on modern tools by which structural and mechanistic properties are discovered: infrared, proton and carbon nuclear magnetic resonance, and mass spectrometry. Laboratory experiments employ the microscale approach and concentrate on separation methods (column, thin-layer and gas chromatography) and chemical characterization techniques. Single-step synthetic conversions and spectral analysis of products are emphasized in the laboratory.

224. Organic Chemistry II.....4 credit hours
Prerequisite: Chemistry 223
An examination of the fundamental organic functional groups and their characteristic interconversions, with emphasis on biological, medicinal, pharmacological, and industrial examples. Special emphasis is placed on multi-step synthetic pathways. Advanced techniques for separation and spectral characterization (multinuclear NMR, 2-d NMR, FT-IR, and MS) of synthetic products are discussed and employed. The chemical literature is introduced through discussions of print and electronic retrieval methods for synthetic procedures, physical and spectral properties, and safety data. Laboratory investigations involve multi-step syntheses using the microscale approach, with purification and spectral characterization of synthetic intermediates.

264. Analytical Chemistry.....4 credit hours
Prerequisite: Chemistry 122
An introduction to the principles and methods of quantitative chemical analysis and separation of substances with emphasis on the proper skills, techniques, data handling, and error analysis required for chemical measurements of good quality. Volumetric, gravimetric, potentiometric, and chromatographic methods of analysis are emphasized, as are statistical methods and the use of spreadsheets in data analysis. A significant laboratory component involves development of wet chemical skills and an introduction to selected instrumental methods of analysis.

316. Fundamentals of Biochemistry and Molecular Biology.....4 credit hours
Prerequisite: Chemistry 224 and BIO 221 or permission of instructor
Fundamental concepts of biochemistry and molecular biology are integrated in a study of the structural chemistry of biomolecules (proteins, nucleic acids, lipids, and carbohydrates), thermodynamics, kinetics, introductory metabolism, and the flow of genetic information. The techniques-based laboratory component of the course covers modern methods for separation, purification, detection, and structural analysis of proteins and nucleic acids.

337. Internship in Chemistry.....7 to 15 credit hours
Prerequisites: At least 2.8 GPA in major/related courses, junior or senior standing and division approval
Practical off campus experiences that apply methodologies and techniques of the chemical sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each week of full-time employment.

343. Practicum in Chemistry.....2 to 6 credit hours
Prerequisites: At least 2.8 GPA in major/related courses, junior or senior standing and division approval
Practical experiences, either on or off campus, that apply methodologies and techniques of the chemical sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each three hours of work every week for a 14-week semester.

349. Topics in Chemistry.....1 to 4 credit hours
Prerequisites: At least 16 hours in chemistry and junior or senior standing, or permission of the instructor
Seminars and laboratory courses involving the detailed study of advanced topics in chemistry not encountered in other coursework. Selected subjects are nanoscience, photo-chemistry, polymer chemistry, advanced biochemistry, advanced inorganic chemistry, and advanced organic chemistry.

351-352. Senior Research Project.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing, and at least 18 hours in chemistry
The Senior Study requirement is fulfilled with this two-course sequence. Students develop a research proposal in an area of interest, complete independent research under the supervision of a faculty mentor, and present their findings in a formal thesis and seminar.

365. Instrumental Methods .....4 credit hours
Prerequisite: Chemistry 264 or permission of the instructor
An advanced study of the principles of instrument-based analytical methods including with emphasis on laboratory electronics, optics, computer interfacing of scientific instrumentation, atomic and molecular spectroscopy, chromatographic separation methods, and electroanalytical methods. The basic theory of operation, design, maintenance, sample preparation, and qualitative and quantitative analysis are discussed for a range of instruments including molecular and atomic absorption, infrared, Raman, fluorescence, nuclear magnetic resonance and mass spectrometry. Laboratory investigations involve experimental design, instrument design, qualitative and quantitative analyses using a variety of instrumental techniques, and computer interfacing and programming. Computer skills and a level of familiarity with the chemical literature are developed.

381. Physical Chemistry I.....3 credit hours
Prerequisites: Chemistry 122 and Mathematics 225
Quantum theory and the theoretical basis and symmetry arguments of molecular spectroscopy are central themes. Topics include: rotational, vibrational and electronic spectra, quantum restrictions, physical property determination, symmetry and group theoretical operations, eigenfucntions and operator notation, application of the Schrodinger wave equation, approximation methods in complex systems, the vector model of the atom, and spectroscopic state designation. Simulation, modeling and advanced graphical software are employed.

391. Physical Chemistry II.....3 credit hours
Prerequisites: Chemistry 122 and Mathematics 225
An advanced study of the physical, chemical and dynamical properties of molecular systems. Chemical thermodynamics and reaction kinetics are central themes. Topics include: Gibbsian and Maxwellian relationships; theoretical characterization of gases; spontaneity and equilibrium; calorimetry; colligative properties; vapor-liquid equilibria; composition diagrams; transport properties; determination of reaction mechanism; the steady-state approximation; transition sate theory; partition function; photochemistry and surface phenomena. Simulation, modeling and advanced graphical software are employed.

399. Research Seminar.....1 credit hour
Prerequisite: Junior standing
Professional activities such as professional ethical standards, laboratory safety concerns, electronic literature search strategies, instruction in scientific paper preparation, poster presentation, and delivery of a scientific talk using presentation software, are examined in a seminar setting. Trends and issues within the profession are discussed.

416. Advanced Topics in Biochemistry and Molecular Biology.....4 credit hours
Prerequisite: Chemistry 316 and Biology 221
The molecular mechanism regulating metabolism, catabolism and the flow of genetic information in response to cellular stimuli are explored. Applications of biochemistry and molecular biology are discussed in the contexts of biotechnology, disease, and drug design. In the laboratory, students build on techniques introduced in prerequisite course to complete bioinformatics and molecular cloning projects that culminate with the expression, purification, and functional analysis of a selected protein.

425. Physical Chemistry Laboratory....2 credit hours
Pre- or Co-requisite: Chemistry 391
Precision physico-chemical measurement using modern analytical methods and instrumentation. Colligative and molecular properties, thermodynamics and kinetics of chemical systems are investigated using modern spectroscopic methods (FT-IR, Raman, UV/fluorescence spectroscopy, NMR) as well as the classical methods of calorimetry, viscometry, polarimetry, refractometry, densitometry and surface tension determination.

Child Development and Learning

Professor Lori Schmied, Chair, Division of Behavioral Sciences

Students who plan to work with children or enter a graduate program in child development may choose the **Major in Child Development and Learning**. The major consists of 42 credit hours in psychology and related fields. Major requirements and course descriptions may be found under the listing for Psychology.

Child Development and Learning is also the major pursued by students seeking teacher licensure for elementary grades. Major courses are listed under Psychology, and professional courses are listed under Education.

Computer Science

Professor John Nichols, Chair, Division of Mathematics and Computer Science

The **Major in Computer Science/Mathematics** consists of 55 hours in Computer Science and Mathematics. Courses required in Computer Science are 111, 112, 221, 231, 311, 313, 321, 349, 351-352 and 399. Courses required in Mathematics are 125, 225, 232, 235, 236, 321, and 326. A student may not major in Computer Science/Mathematics and minor in either Computer Science or Mathematics.

The **Major in Computer Science/Business** consists of 54/55 hours. Courses required are Computer Science 111, 112, 221, 231, 311, 313, 321, 349, 351-352, and 399; Mathematics 125, Mathematics 225 or 232; Economics 201; Business 201, 215, 344, and 401. The courses in Business and Economics are described under the respective departmental listings. A student may not major in Computer Science/Business and minor in either Computer Science or Business and Organization Management.

The **Minor in Computer Science** requires a minimum of 22 credit hours in computer science and mathematics, including Computer Science 111, 112, 221, 231; one course selected from 311, 313, 321, or 349; Mathematics 125; and Mathematics 225 or 232.

111. Introduction to Computer Science I.....3 credit hours
Prerequisite: Mathematics 105 or satisfactory performance on the mathematics placement examination
An introduction to computer science and structured programming with emphasis on program design and implementation, debugging, documentation, and programming projects. Laboratory work supplements and expands lecture topics and offers supervised practice using programming.

112. Introduction to Computer Science II.....3 credit hours
Prerequisite: Computer Science 111
A continuation of Computer Science 111 with emphasis on advanced programming features. Laboratory work supplements and expands lecture topics and offers supervised practice using programming.

221. Computer Architecture.....3 credit hours
Prerequisite: Computer Science 111
Introduction to computer organization and architecture. Hardware components, representation of data, digital logic, machine language instructions, and microprogramming.

231. Discrete Structures.....3 credit hours
Prerequisites: Computer Science 112 and Mathematics 225 or 232
Discrete structures useful in computer science. Topics will include logic and proof, recurrence relations, sets, graphs, and an introduction to the theory of formal languages and automata.

311. Data Structures.....3 credit hours
Prerequisite: Computer Science 231
An introduction to the concepts and techniques of struc-

turing and manipulating information. Topics include an overview of complexity theory, recursion, stacks, queues, linked lists, searching, sorting, trees, heaps, and hashing.

313. Database Management Systems....3 credit hours
Prerequisite: Computer Science 311
A course in the design, function, and application of database management systems.

321. Introduction to Systems.....3 credit hours
Prerequisite: Computer Science 221
An introduction to operating systems concepts, including processes and threads, concurrency, processor scheduling, memory management, security, and performance, as well as an introduction to networking, web technologies, and systems software.

349. Selected Topics in Computer Science.....3 credit hours
Prerequisites: Computer Science 221, 231 and permission of the instructor
Topics selected from such areas as Java games programming, artificial intelligence, theory of computing, information management, software engineering, networking, computer graphics, and computational science, depending on current faculty and student interests.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficieney Exam, junior standing; at least 15 hours in computer science courses, including 3 hours at the 300-level, that satisfy requirements for the Major in Computer Science; and 7 hours in mathematies eourses that satisfy requirements for the Major in Mathematies
The Senior Study requirement is fulfilled with this two-course sequence. The study may take the form of a thesis or a significant computer science-related project. Both involve individual study and research under the guidance of a faculty supervisor and culminate in a formal paper that follows a division-specific format.

399. Research Seminar.....1 credit hour
Prerequisite: Junior standing
Professional activities in the field of computer science. Topics include professional and ethical standards, research techniques, professional organizations and their literature, techniques for oral presentations, and current trends in professional computing.

Dance

Associate Professor Mark Hall, Chair, Division of Fine Arts

241. Dance .....1 credit hour
Class lessons in ballet, jazz, or tap taught at the Van Metre School of Dance in downtown Maryville. (The student registers through the College and pays the lesson fees to the Van Metre School of Dance.) Two hours of class instruction per week and a minimum of two hours of outside practice per week are required. A maximum of 6 credit hours may be counted toward graduation requirements.

Debate

Professor Susan Schneibel, Chair, Division of Humanities

Intercollegiate debate is available as a credit and a non-credit offering. Students may enroll in two semesters of debate for three credit hours; enrollment in additional semesters is for one credit hour per semester. A maximum of 12 credit hours in debate may be earned toward graduation requirements. Debate is offered as demand warrants.

Economics

Associate Professor Barbara Wells, Chair, Division of Social Sciences

The Major in Economics is appropriate for the student interested in the functioning of the economic system and in economic policy. For most positions in the business world, students who major in economics are competitive with those who major in business. For situations with strong theoretical emphasis, the major in economics provides an important advantage. The economics major also provides a basis for graduate study in management, business, finance, law, and a variety of other fields.

The **Major in Economics** consists of a minimum of 44/45 hours in Economics and related fields. Required courses in Economics include 201, 221, 321, 322, 334, 351-352, Sociology 101; 9 hours chosen from Economics 251, 325, 331, 332, 349, and Social Science 301; Mathematics 222; at least 3 hours chosen from Math 125 and Business 344; and 3 hours chosen from Political Science 122, 211, 212, and 232.

The **Major in Economics/History for Teacher Licensure** leads to licensure in economics with a secondary emphasis in history. The track requires 38 hours. Courses required in economics are 201, 221, 321, 322, 334, 351 and 352; courses required in history are 112, 203, 243, 251, and three hours chosen from 333, 334, and 335. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 credit hours of professional courses listed under Education in this catalog.

The **Minor in Economics** consists of 17 hours, including Economics 201, 321, 322, 334 and three hours chosen from 221, 251, 325, 331, 332, and 349.

201. Principles of Economics.....4 credit hours
Prerequisite: Statistics 120 or sophomore standing
A survey of economic principles and institutions, emphasizing the study of market economies throughout the world. Topics include the model of supply and demand, the theories of competition and monopoly, the theory of international trade, and the theories of employment, prices and money.

221. Economic Development.....3 credit hours
An inquiry into the problems of economic development and social change in less developed countries. The course focuses on issues of poverty, population, industrialization, agriculture, trade, and environmental sustainability.

251. Economic History of the United States.....3 credit hours
Survey of American economic development from colonial times to the present. Special emphasis on the economic development of the South, the industrialization of the American economy, the development of banking and the impact of international trade.

321. Macroeconomics.....4 credit hours
Prerequisites: Economics 201 and junior standing or permission of the instructor
Macroeconomic theory and analysis, including synthesis of classical and Keynesian models of income determination. Monetary theory, inflation, unemployment, and expectations are studied, and current economic issues are examined. A computer laboratory is included.

322. Microeconomics.....3 credit hours
Prerequisites: Economics 201 and junior standing or permission of the instructor
Microeconomic theory and analysis, including consumer demand, prediction, the firm, and general equilibrium. Applications to problems of private choice and public policy are considered.

325. International Trade and Finance...3 credit hours
Prerequisites: Economics 201 and junior standing or permission of the instructor
An examination of the theory of trade, barriers to trade, balance of payments, exchange rates, and the adjustment process. The role of international institutions is considered, including the International Monetary Fund and multinational enterprise.

331. Public Policy Toward Business....3 credit hours
Prerequisites: Economics 201 and junior standing or permission of the instructor
An inquiry into the control of monopoly through antitrust law and promotion of the public interest through actions of regulatory commissions. Consumer protection and environmental regulation are also considered.

332. Money and Banking.....3 credit hours
Prerequisites: Economics 201 and junior standing or permission of the instructor
Study of the nature and function of money, banks, and financial markets; the role of money in the economy, monetary theory and policy; the Federal Reserve System and money supply process; international monetary relationships.

334. History of Economic Thought....3 credit hours
Prerequisites: Economics 201 and junior standing or permission of the instructor
An examination of the development of economics emphasizing the emergence of economics as a social science from the late 18th century to the present.

337. Internship in Economics....7 to 15 credit hours
Prerequisites: Junior standing and permission of the Division of Social Sciences Chair
Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum in Economics.....2 or 3 credit hours
Prerequisites: Junior standing and permission of the Division of Social Sciences Chair
Supervised experience enabling students to apply classroom knowledge in an organizational setting. Open only to economics majors. Not to be counted toward a major in economics.

349. Selected Topics in Economics.....3 credit hours
Prerequisites: Economics 201 and junior standing or permission of the instructor
Focuses on timely topics in national or international economics not covered in other department courses. Course content varies from year to year. Offered as demand warrants.

351-352. Senior Thesis.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, and junior standing
The Senior Study requirement is fulfilled with this two-course sequence. Individual study, with the guidance of a faculty supervisor, that provides experience in independent research and the preparation of a formal paper.

Education

Professor Terry Simpson, Chair, Division of Education

Teacher Education Professional Courses

Teacher education at Maryville College is an interdepartmental function, the responsibility of the College as a whole rather than a single department. The program of preparation combines broad study in the liberal arts, specialized courses in a major field of study, and a professional education component. For students who plan to teach in the elementary grades, Maryville College offers a program designed to prepare students for licensure for grades K-6. These students complete the Major in Child Development and Learning offered through the Division of Behavioral Sciences. Those interested in teaching at the secondary level (grades 7-12) complete the appropriate major in the area in which they plan to teach.

The following secondary licensure areas are available: Biology, Chemistry, Economics/History, English, History, History/Economics, History/Political Science, Mathematics, Political Science/History, and Spanish. French and German are offered as initial licensure in conjunction with another licensure field.

Music (vocal or instrumental) and Physical Education/Health are available as K-12 licensure programs. Teaching English as a Second Language is available as a P-12 licensure program. Students must pass the Content Knowledge exams of the Praxis II Series before they are assigned to student teaching.

Additional professional courses designed to prepare students to meet licensure standards must also be taken. These are listed below.

Secondary Licensure: Physical Education/Health, Recreation 236, Psychology 218 and 334, (Physical Education/Health for licensure students are exempt from Psychology 334.) Education 301, 302, 321, 343 (two credits), 401 and 402 (may be combined with Senior Study 352). Physical Education/Health and Teaching English as a Second Language majors take two additional hours of practicum credit.

Elementary Licensure: Education 302, 303, 305, 321, 322, 323, 401, and 402 (may be combined with Senior Study 352).

Post-Baccalaureate Program for Teacher Licensure: Maryville College offers a Post-Baccalaureate Program for teacher licensure in the following licensure areas: Biology, Chemistry, Elementary Education, English, History, History/Economics or History/Political Science, Mathematics, Music, Physical Education/Health, and Spanish. Post-baccalaureate students must meet the same screening and admission standard as Maryville College baccalaureate students. In addition, post-baccalaureate students must pass the Content Knowledge Exams of the Praxis II Series before they are assigned to student teaching. The Registrar, adviser from the academic discipline, and adviser from the Division of Education evaluate academic transcripts to design an appropriate course of study. Student teaching consists of fifteen weeks of full-day responsibilities.

Additional Endorsements: Maryville College offers additional endorsements in the following licensure areas: Biology, Chemistry, Economics, Elementary Education, English, History, Mathematics, Geography, Government, French, German and Spanish. Maryville College baccalaureate students may complete an additional endorsement according to the following guidelines while completing their initial licensure:

a. Each candidate (with the exceptions noted in b., c., and d.) must complete a minor in the endorsement area as part of an individualized educational plan developed by the academic adviser. Requirements for a minor designed for additional endorsement may vary from those for a traditional minor, a larger number of credit hours may be required, and some additional endorsements may be available only to students majoring in a related area. Specific additional endorsement requirements are available from faculty advisers in the subject areas.
b. A candidate completing initial licensure in Economics/History, History, or History/Economics may complete an additional endorsement in Government with Political Science 121, 122 and one course from Political Science 211 and 212.
c. A candidate completing initial licensure in History, History/Political Science, or Political Science/History may complete an additional endorsement in Economics with Economics 201, 251 and 332.
d. A candidate completing initial licensure in Economics/History, History, History/Economics, History/Political Science, or Political Science/History may complete an initial endorsement in Geography with Social Science 201 and two additional courses chosen from World Cultures 310, 320, 330, 340, and 350.

Students are required to achieve the minimum passing score(s) on the Praxis specialty test(s) for the endorsement area.

For all teacher licensure programs, careful planning of one's course of study is necessary to ensure that all general education, major, and professional requirements are met in a timely manner. It is particularly important to complete Psychology 101, Introductory Psychology, in the freshman year. Students should meet with the adviser for teacher licensure in their major area as soon as possible.

Admission to Teacher Education is not automatic and occurs only after certain qualifications are met. A minimum cumulative grade point average (GPA) of 2.7 in the major and overall is required in addition to a minimum score on certain standardized tests. The Level I screening process is fully explained at screening meetings held in October and February each year. Requirements include, in addition to the GPA and standardized test requirements, a writing sample from the candidate, satisfactory recommendations from faculty and others, and an interview with the Screening Committee. Admission to Teacher Education is considered conditional until Level II of the process is completed the semester prior to student teaching. No course with an Education (EDU) prefix may be taken unless a student has been accepted into the Teacher Education program through the Level I screening process.

Title II of the Higher Education Act mandates that institutions publish pass rates on Praxis II exams required by the State of Tennessee for teacher licensure.

2002-2003 Maryville College Pass Rate	97%
2003-2004 Maryville College Pass Rate	99%
2004-2005 Maryville College Pass Rate	100%

Current information is available on the Maryville College website (www.maryvillecollege.edu).

301. Models of Classroom Management and Instruction.....3 credit hours
Prerequisite: Psychology 218
Students will learn about and be able to use a variety of research-based models of instruction. Implications of these models for classroom management and organization will be made explicit. Directed observation of classrooms and planned micro-teaching experiences are an important aspect of this course.

302. Educational Technology.....2 credit hours
Prerequisites: Acceptance into the Teacher Education Program, prior experience with word-processing
This course is taken in conjunction with Education 301 and is designed to prepare future teachers to integrate instructional technology into the classroom. Emphasis is placed on preparing the student with the necessary competence and the confidence to develop and/or select materials to use with a variety of technology-based instructional tools.

303. Models of Classroom Instruction...2 credit hours
Prerequisite: Psychology 218
Students will learn about and be able to use a variety of research-based models of instruction. Implications of these models as they relate to the Maryville College conceptual Framework for Teacher Education will be made explicit. Guided observations of classrooms and planned microteaching experiences are an important aspect of this course. Current trends and issues in instructional design will be explored.

305. Strategies for Classroom Management.....2 credit hours
Prerequisite: Psychology 218
This course provides students with knowledge and skills in the areas of instructional modifications and classroom management. Students will learn management strategies necessary for creating and maintaining safe, inclusive learning environments. Opportunities for guided observations of classrooms will be provided. Current trends and issues will be explored.

321. Reading and Writing in the Content Classrooms.....2 credit hours
Prerequisites: Psychology 218 and Education 301/302
Instruction and practice in various strategies designed to integrate and reinforce reading and writing for meaning in all subject areas. Emphasis is on using textbooks and other printed material to facilitate reading comprehension and concept development.

322. Instructional Strategies for Science and Social Studies.....3 credit hours
Prerequisites: Psychology 211 and Education 301/302
An examination of various theories/approaches to the teaching of science and social studies including unit planning, investigations/inquiry, problem-solving, thematic integration and technology integration. Students will explore historical, political, geographical, and economic concepts, and the tools required to translate these concepts into instruction. Emphasis is on selecting and translating content knowledge into developmentally appropriate instructional experiences for children.

323. Reading and Writing K-4.....3 credit hours
Prerequisites: Psychology 211 and 306, Education 301/302
This course provides students with an understanding of the developmental processes involved in the ability to read and write. Students will be able to use the major approaches designed to teach reading and will be able to assist pupils in developing effective written communication. The use of the computer for instruction and directed field study are included.

343. Practicum in Methods and Materials.....2 to 4 credit hours
Prerequisites: Psychology 218 and Education 301/302
This course must be arranged with the Director of Teacher Education the semester prior to beginning the practicum. Field-based, professionally directed experiences which familiarize students with the curriculum and with the instructional knowledge and skills appropriate for use in a selected K-12 program area. This course is designed by Maryville College faculty in conjunction with area field-adjunct faculty.

401. Student Teaching.....9 credit hours
Prerequisite: Acceptance into Level II of Teacher Education
A full-day, supervised teaching experience in at least two classrooms of two different grade levels under the guidance of Maryville College faculty and cooperating classroom teachers. The Professional Seminar on Teaching (Education 402) is taken in conjunction with this course. No other coursework may be taken during student teaching. Fee: $100.00.

402. Professional Seminar on Teaching.....3 credit hours
Prerequisites: Acceptance into Level II of Teacher Education, permission of the Director of Teacher Education when Senior Study 352 is integrated into the seminar
This course is offered in conjunction with Student Teaching. It is designed to provide new members of the profession with a sense of identity as teachers, and with the knowledge and skills necessary to encourage their continued professional growth. Emphasis is on self-reflection on practice, the exploration of the multiple contexts of teaching, the analysis of the classroom and school as workplaces, and peer problem-solving. When Senior Study 352 is integrated into the seminar, individual field-based or "action" research is completed during the semester under the guidance of faculty supervisors and the student's cooperating teacher. The resulting project will demonstrate the command of the forms and usage of the formal paper.

B.A./B.S.: Senior Year in Absentia

Professor John Nichols, Chair, Division of Mathematics and Computer Science

Maryville College cooperates with several universities in a way that enables a student to combine extensive preparation in the liberal arts with professional training in engineering. This arrangement allows the student to earn two degrees, one from Maryville College and one from the engineering school. The first three years are spent at Maryville, completing Maryville College's general education requirements and the courses necessary for further study in engineering or applied science; the remaining time, normally two years, is spent at an accredited school of engineering.

Maryville College has formal dual-degree arrangements with Vanderbilt University in Nashville, Tennessee, Washington University in St. Louis, Missouri, Tennessee Technological University in Cookeville, Tennessee, the University of Tennessee in Knoxville, Tennessee, and Auburn University in Auburn, Alabama. Maryville College will honor the dual-degree arrangement with other major universities if the student is able to make transfer arrangements.

After approximately four years of study, which include 96 semester hours from Maryville College and 32 semester hours (with grades of "C" or better) from the engineering school, the student will receive the B.A. degree from the College. When all requirements for the engineering degree have been met, usually by the end of the fifth year of study, the engineering school will award the Bachelor of Science degree in the area of specialization.

The second degree may be earned in over a dozen engineering fields, as well as in the applied sciences, depending on the university that the student attends.

Maryville students go to the engineering school as transfer students. The College's Dual-Degree program coordinator assists the students in both selecting an engineering school and in the transfer process. The decision to admit rests with the cooperating university, not with Maryville College. Admission to some engineering fields is very competitive, reflecting high demand for places in an entering class.

Any student interested in pursuing the dual-degree option is urged to consult the Dual-Degree Coordinator in the Division of Mathematics and Computer Science as early in the freshman year as possible. The program is highly structured, and most of the courses are part of a sequence. For that reason, one's course of study must be carefully planned to ensure that all general education and major requirements are met during the three years spent at Maryville. Required courses are Mathematics 125, 225, 232, 235 and 236, Physics 201, 202, and 271 or 301, Chemistry 121 and 122, Computer Science 112, and Senior Study 351. Some engineering schools have additional course requirements for particular majors. Consult the Dual Degree Coordinator for details. See course listings under appropriate departments.

351. Senior Study.....3 credit hours
Prerequisites: First Year Seminar 140, English Proficiency Exam, junior standing, Computer Science 111, at least 15 hours in mathematics courses that satisfy requirements for the Major in Mathematics, Physics 201, and Chemistry 121
The Senior Study requirement is fulfilled with this course. The study may take the form of a thesis or a significant engineering-related project. Both involve individual study and research under the guidance of a faculty supervisor and culminate in a formal paper that follows a division-specific format.

English

Professor Susan Schneibel, Chair, Division of Humanities

The Major in Literature in English or the Major in Writing/Communication are recommended for a variety of careers. The skills emphasized in organized thinking, writing, and research prepare the student not only for teaching and for the many branches of editing and publishing but also for other professions such as law, librarianship, and the ministry. These same skills are in demand in business and industry, where leadership positions go to those who can think logically and express themselves clearly.

The **Major in Literature in English** requires a minimum of 49 hours, including 39 hours in English, 10 hours in related fields. Courses required are English 162, 311, 351, 352, and Humanities 201 and 347. Three hours are selected from English 221 or 242 and three hours from English 222 or 241; one course from 331, 333, and 334 is required; one course from 332, 335, and 336; and one additional course in literature at the 300-level. The additional hours are to be selected from catalogue offerings under English, excluding English 216, 217, 315, and 317, which primarily serve the Writing/Communication major. One course, however, chosen from 213, 214, 314 may count for credit in the Literature in English major. Two related-required courses are to be chosen from History 111, 112, 203, 242, 249, 321, 342; Religion 344; and Philosophy 205, 206, 207.

The **Major in English for Teacher Licensure** requires a minimum of 43 hours, including 36 hours in English, 4 hours in Humanities, and 3 hours in a related field. Required courses are English 162, 219, 311, 312, 351-52, and Humanities 201 and 347. Three hours are selected from English 221 or 242 and three hours from English 222 or 241; one course from 331, 333, and 334 is required; one course from 332, 335, and 336 is also required. Six additional hours are to be selected from catalogue offerings under English, excluding 216, 217, 315, and 317, which primarily serve the Major in Writing/Communication. One course, however, chosen from 213, 214, 314 may count for credit in the Major in English for Teacher Licensure. One related courses is to be chosen from History 111, 112, 203, 242, 243, and 249. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

The **Major in Teaching English as a Second Language** is offered as an initial endorsement teacher licensure program for teaching pre-kindergarten through twelfth grade. The major is interdisciplinary. Major requirements are listed under Teaching English as a Second Language in this catalog.

The **Major in Writing/Communication** requires a minimum of 46 hours, including 42 hours in English and 4 hours in Humanities. Required courses are English 162, 216 (3 credits required), 217, 311, either 337 or 343, 351-52, and Humanities 201 and 347. Two courses are chosen from English 213, 214, 219, and two courses are chosen from English 314, 315, and 317. Students pursuing the internship option take 3 hours in literature courses of their choice; students pursuing the practicum option take 9 hours in literature courses of their choice. All writing/communication majors are strongly encouraged to minor in an area that will give them a degree of expertise in a field other than English.

The **Minor in Literature in English** requires the completion of 15 hours of English, including English 162. On the basis of the student's particular interest, courses may be chosen from other literature offerings, History 249, English 213, 214 and 219.

The **Minor in English for Add-On Teaching Endorsement** requires the completion of 15 hours of English, including English 162, 219, 221, 222, and either 241 or 242.

The **Minor in Writing/Communication** requires 15 hours in writing, including English 216 (3 credits required) and four courses chosen from English 213, 214, 217, 219, 314, 315, and 317.

162. Interpreting Literature.....3 credit hours
Co-requisite: Composition 120
A genre approach with concentration on the forms of the short story, drama and poetry. The course is designed to cultivate skills in analysis and appreciation of works ranging from the classical Greek to the contemporary American and Continental. Through class discussion and oral and written reports the students model processes by which literature is taught and meaning enhanced.

208. Modern Fantasy and Science Fiction.....3 credit hours
Prerequisite: Composition 120
A close analysis of modern fantasy with attention paid to the formal structures of the genre and its roots in the romance tradition. The emphasis is on such writers as J.R.R. Tolkien, C.S. Lewis, Ursula Le Guin, and Isaac Asimov.

212. Children's Literature.....3 credit hours
Prerequisite: Composition 120
An introduction to children's literature, with attention devoted to picture books, adolescent and intermediate fiction, nonfiction, and poetry. Specific topics discussed include literary styles, genres, the relationship of art and text, historical development of literature for children, criteria for evaluating contemporary literature, and ways of creating classroom experiences.

213. Creative Writing: Poetry.....3 credit hours
Prerequisite: Composition 120
Students write poetry, including assignments on specific topics and poetic forms. Class work includes practice in-group critiques, discussion of assigned works, and oral presentation of students' poetry.

214. Creative Writing: Fiction .....3 credit hours
Prerequisite: Composition 120
Students write short fiction, including one critical/analytical essay/oral report on a fiction writer of each student's choosing. The class includes writing exercises, in-class group critiques of student work, discussion of assigned works, and individual conferences. The course culminates in a class presentation/reading of revised, selected fiction.

216. Publications.....1 credit hour
Prerequisite: Composition 120
Working as a staff member on the Highland Echo or Impressions. This course can be taken for a maximum of four credit hours, at one credit hour per semester for service on the Highland Echo staff. For service on the Impressions staff, one may receive a maximum of two credit hours, at one credit hour per academic year. (This assumes a full nine months service). This course is offered on a S/U basis only.

217. Journalism.....3 credit hours
Prerequisite: Composition 120
An introduction to writing and editing for the print media, including focus on reporting and writing, as well as on editing, layout and design.

219. Advanced Rhetoric and Grammar...3 credit hours
Prerequisite: Composition 120
A course in rhetoric and writing conventions based on a study of grammar and syntax. This course is designed to provide the student with rhetorical options based on an understanding of the function of sentence parts in their relation to one another and to meaning.

221. American Literature: Puritan Through Romantic.....3 credit hours
Prerequisite: Composition 120
An examination of the literary expressions of culture in America from the early Puritans through the Civil War. Special attention is paid to the coming of age of American literature in the mid-nineteenth century, with emphasis on the concept of self, transcendentalism, the frontier, and the meaning of symbol.

222. American Literature: Realism to the Present.....3 credit hours
Prerequisite: Composition 120
An examination of the literary expressions of culture in America from Reconstruction through the 20th century, emphasizing shifting definitions of America and conflict within American culture over that time period.

241. Survey of British Literature I.....3 credit hours
Prerequisites: Composition 120 and FRS 140
A study of works by major British authors, ranging from the Old English period through the eighteenth century. By providing an overview of the development of the British literary tradition, the course will enable students to situate works studied in advanced and period-specific courses within a broad context. Authors to be studied may include Chaucer, Langland, Spenser, Shakespeare, Milton, Dryden, Swift, Pope, and Johnson.

242. Survey of British Literature II.....3 credit hours
Prerequisites: Composition 120 and FRS 140
A study of works by major British authors, ranging from the romantic period through the postmodern. By providing an overview of the development of British literary tradition, the course will enable students to situate works studied in advanced and period-specific courses within a broad context. Authors to be studied may include Blake, Austen, Wordsworth, the Brontes, Woolf, Yeats, Joyce, and Lessing.

311. History of the English Language...3 credit hours
Prerequisite: Junior standing
The history and development of the English language based on textual analysis of Old, Middle, and Early Modern English.

312. Linguistic Theory
and Second Language Acquisition.....3 credit hours
Prerequisite: English 219
Basic principles of linguistics, especially those pertaining to second language acquisition. A survey of the components of language such as syntax, semantics, morphology and phonology, and all major subfields of linguistics such as psycholinguistics and neurolinguistics. Studying relationships among psychological, social, and cultural issues that impact second language acquisition.

314. Creative Nonfiction.....3 credit hours
Prerequisites: Junior standing and one course from English 213, 214, or 217
An advanced study of a large body of peer and professional writing that builds upon requisite critical skills. Students will produce fact-based creative writing, including one major critical/analytical essay/oral report on a write of choice. Class will include writing exercises, in-class group critiques of student work, discussion of assigned works and individual conferences.

315. Business and Technical Writing....3 credit hours
Prerequisite: Junior standing
The study and practice of formats for business, scientific, and technical writing used in corporate and government contexts. Practice in information gathering, writing, editing, and speaking is emphasized in both individual and group work.

317. Public Relations
Writing and Practice.....3 credit hours
Prerequisite: Junior standing
An introduction to a variety of public relations writing styles, including copy for newsletters, brochures, news releases, and speeches. Lecture/discussion sessions provide an overview of public relations principles and theory. The course builds toward a public relations campaign as the major final project.

322. Advanced Studies
in American Literature.....3 credit hours
Prerequisite: Junior standing
The course examines selected authors, periods and/or genres for thematic, formal, historical, and cultural issues. Course content and focus will vary.

331. Chaucer in Middle English.....3 credit hours
Prerequisite: Junior standing
The major works of Chaucer read in Middle English, with lectures on the historical and literary backgrounds and on other important works of the Medieval Period, such as Piers Plowman, The Pearl, The Wakefield Cycle, and medieval lyrics.

332. Shakespeare.....3 credit hours
Prerequisite: Junior standing
A study of Shakespeare's plays, with equal emphasis on the comedies, tragedies, and histories as well as attention to the literary and historical backgrounds of the period.

333. English Literature
of the 17th Century.....3 credit hours
Prerequisites: English 162 and Literature 270 or 290
A study of the poetry, drama, and prose of the 17th century to the Restoration, focusing on major themes and literary developments in their historical contexts. Special emphasis will be placed on interpretive methods as they apply to some of the major texts of the period.

334. English Literature
of the Restoration and 18th Century....3 credit hours
Prerequisites: English 162 and Literature 270 or 290
A study of the poetry, drama, and prose of the "long" 18th century (1660-1815), focusing on major themes and literary developments in their historical contexts. Special emphasis will be placed on interpretive methods as they apply to some of the major texts of the period.

335. English Literature
of the 19th Century.....3 credit hours
Prerequisites: English 162 and Literature 270 or 290
A study of the poetry and non-fiction prose of the English Romantic and Victorian periods, focusing on major themes in the respective historical periods. Special emphasis will be placed on interpretive methods as they apply to some of the major texts of the period.

336. British and American Literature
of the 20th Century.....3 credit hours
Prerequisites: English 162 and Literature 270 or 290
A study of selected 20th century British and American authors using multiple interpretive methods. Emphases

will include building an understanding of some of the larger literary and theoretical movements of the 20th century through extensive reading of literature and criticism.

337. Internship.....7 to 15 credit hours
Prerequisite: English 217, 315, or 317
Field experience that provides an introduction to careers in writing and communications through work on the writing staff of a newspaper, magazine, publishing house, or related enterprise. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement. This course is offered on a S/U basis only.

343. Practicum.....2 to 6 credit hours
Prerequisite: Composition 120
On- or off-campus experience that provides an introduction to careers in writing and communications. Involvement is expected to be at least three hours of activity per week during the semester for each credit hour earned.

348. The Novel in English.....3 credit hours
Prerequisite: Junior standing
A study of the novel from its beginnings in the 18th century to the modern period. While tracing minor streams in fiction such as the epistolary and Gothic, the course concentrates on the major British and American novelists.

349. Selected Topics in Literature.....3 credit hours
Prerequisite: Junior standing
Course content varies from year to year to meet the special interests, abilities, and needs of advanced students.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing and Humanities 347
The Senior Study requirement is fulfilled with this two-course sequence. The courses involve individual study with the guidance of a faculty supervisor. They are ordinarily taken in the spring term of the junior year and the fall term of the senior year.

English as a Second Language

Professor Susan Schneibel, Chair, Division of Humanities

A major is offered in Teaching English as a Second Language. A description of this teacher licensure program may be found in this catalog under the heading Teaching English as a Second Language. General information on teacher licensure may be found under the Education heading.

THE CENTER FOR ENGLISH LANGUAGE LEARNING

Mr. Kelly Franklin, Director

The Center for English Language Learning offers courses for credit to students who enroll in Maryville College. A more complete description of the Center may be obtained from the College website.

Courses offered in five-week intensive modules are as follows:

(a) Beginning: levels 1 & 2
(b) Elementary: levels 3 & 4
(c) Low Intermediate: levels 5 & 6
(d) High Intermediate: levels 7 & 8
(e) Low Advanced: levels 9 & 10
(f) High Advanced: levels 11 & 12

Students may earn 1 credit hour for completion of each level above level 3, and one-half credit hour for levels 1 and 2, for a maximum of 9 credit hours.

101. Composition for ESL Students....3 credit hours
A semester-length course for international students who have met minimal English requirements for entering the College but need additional work to reach the college-level proficiency in writing and rhetoric necessary for academic courses. Those who demonstrate mastery of writing skills, through standardized tests and writing samples, may begin with Composition 110 or 120.

Environmental Science

Associate Professor W. Benjamin Cash, Chair, Division of Natural Sciences

Students planning careers in Environmental Science should major in either biology or chemistry and develop a course selection carefully designed to assist in meeting career goals. A minor in chemistry or biology, as appropriate for the major, is also recommended. Because Environmental Science is an applied field, students are strongly encouraged to include in their programs an internship or practicum at one of the institutions with which Maryville College maintains a research arrangement. Major requirements and course listings may be found under Biology and Chemistry in this catalog. Students are also encouraged to examine the very differently focused Major in Environmental Studies, a major based in the social sciences and serving a variety of careers related to environmental policy and management.

Environmental Studies

Associate Professor Mark O'Gorman, Coordinator

The Major in Environmental Studies is an interdisciplinary program involving course work in the social and natural sciences. The major provides an excellent background for work in areas such as global, national and local resource management; international and national population control and wildlife management; international banking and finance; public policy roles at all levels in city planning, waste management, and related areas in: health care, journalism, law, advertising and education. Environmentally related careers are available as writers, editors, managers, lawyers, and public relations experts.

The **Major in Environmental Studies** requires a minimum of 52 credit hours. Required courses are Environmental Studies 101, 316, 345, Economics 201, Sociology 101, Political Science 232, Social Science 301, Chemistry 121, Biology 113, Biology 222 or 311, Math 221 or 222 and Environmental Studies 343 (a minimum of 3 credit hours), 351 and 352. In addition, each student must complete at least 6 hours chosen from among Business 201, Economics 221 and 331, English 315, Outdoor Recreation 335, Political Science 212 and 321, Sociology 202, 211, and 222, and Environmental Studies 349.

Environmental studies students minoring in economics, political science and sociology cannot fulfill minor course requirements with courses serving as major electives in the Major in Environmental Studies.

101. Introduction to Environmental Issues.....3 credit hours
An introduction to the origins and interrelationships of major contemporary environmental issues such as overpopulation, global warming, ozone depletion, deforestation, and water pollution. The course examines the complexity of the issues in environmental, political, social, and economic terms.

316. Population.....3 credit hours
Prerequisites: Sociology 101 or 211 and junior standing
A study of human population, including population structure and the processes of fertility, mortality, and migration. The course examines the impact of changing population, such as aging and urbanization, on social institutions and the environment. The course examines the role of population policy in achieving social and environmental goals.

337. Internship in Environmental Studies.....7 to 15 credit hours
Prerequisites: Junior standing and permission of the Division of Social Sciences Chair
Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time employment.

343. Practicum in Environmental Studies.....2 to 6 credit hours
Prerequisites: Junior standing and permission of Environmental Studies faculty
Practical experience enabling students to apply classroom knowledge in work settings. One credit hour is associated with each three hours of work every week for a 14-week semester.

345. Environmental Politics and Public Administration.....3 credit hours
Prerequisite: Junior standing
This course examines the history, actors and issues in world and American environmental policy making. Comparison of theories of environmentalism (conservation, sustainable development, deep ecology). Investigation of structure and actors making environmental policy. Survey of current global/eco-systemic issues in environmental policy (air, sea/water, energy and waste, land). Special emphasis on Tennessee and East Tennessee issues, such as radioactive waste, acid rain in the Great Smoky Mountains and Tellico Dam.

349. Special Topics in Environmental Studies.....3 credit hours
Prerequisite: Six hours in Environmental Studies
Focus is on issues in environmental studies. Course content varies. Offered as demand warrants.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing and Social Science 301
The Senior Study requirement is fulfilled with this two-course sequence. The courses involve individual study with the guidance of a faculty supervisor.

Foreign Languages

Professor Susan Schneibel, Chair, Division of Humanities

Instruction is available in five foreign languages; a major is offered in Spanish, and minors are offered in French, German, and Spanish. Course descriptions can be found under listings for French, German, Japanese, Spanish and Sign Language Interpreting. Greek, Hebrew, and Latin are occasional special offerings.

The study of foreign languages offers an introduction to new cultural patterns along with the acquisition of specific skills that are increasingly useful in a closely interrelated world. Business majors who are proficient in a foreign language will find broader opportunities in their field, and political science majors interested in international law would do well to study several languages. All students planning to attend graduate school should prepare themselves with at least one additional language.

French

Professor Susan Schneibel, Chair, Division of Humanities

The **Minor in French** consists of 15 credit hours above the 100-level, including French 201-202, and nine semester hours earned in an approved study abroad program. French 201-202, or the equivalent, is a prerequisite for students who intend to complete their minor in French by studying at one of the following approved study abroad programs: CIDEF, the summer exchange program at the Centre International d'Etudes Francaises de l'Universite Catholique de l'Ouest (CIDEF) in Angers, France; the exchange program with University of Avignon; and an approved course of study through the International Student Exchange Program.

110. Elementary French I.....4 credit hours
An introduction to French designed to give students the linguistic, cultural, and geographical background necessary to provide for their basic needs when they travel to a French-speaking country. Emphasis is also given to conversing in basic French within well-defined contexts, to reading short passages, and to writing simple sentences in French. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions.

120. Elementary French II.....4 credit hours
Prerequisite: Placement into the course or French 110
A sequel to French 110, designed to increase knowledge of the basic language, culture, and geography of the Francophone world. Emphasis is also given to increasing students' capacity to converse, read, and write in French. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions.

201. Intermediate French I.....3 credit hours
Prerequisite: Placement into the course or French 120
A review and expansion of the grammar, culture, and vocabulary studied in elementary French. Linguistic tasks studied include describing, narrating, and giving opinions and information on a variety of topics. Emphasis is also given to strengthening reading and writing skills through a study of authentic Francophone texts, which may be drawn from the following media: film, newspapers, popular music, magazines, television, and literary prose and verse.

202. Intermediate French II.....3 credit hours
Prerequisite: Placement into the course or French 201
A sequel to French 201, designed to increase students' facility to speak and write sentences of greater structural sophistication that are logically connected in paragraph-length discourse. Increased emphasis is placed on communicating in past, future, and hypothetical situations. Study of authentic Francophone texts from various media is continued.

343. Practicum.....3 credit hours
Prerequisite: French 202 or the equivalent
On- or off-campus experience that provides a linguistic and cultural opportunity for students who wish to acquire practical knowledge of French beyond the intermediate level.

German

Professor Susan Schneibel, Chair, Division of Humanities

The **Minor in German** consists of at least 15 hours in German, including 12 hours in courses above the 100-level. Credits beyond German 201-202 must be earned abroad in conjunction with Alma College's program at the Europa-Kolleg in Kassel, Germany.

110. Elementary German I.....4 credit hours
An introduction to German designed to give students the linguistic, cultural, and geographical background necessary to provide for their basic needs when they travel to a German-speaking country. Emphasis is also given to conversing in basic German within well-defined contexts, to reading short passages, and to writing simple sentences in German. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions.

120. Elementary German II.....4 credit hours
Prerequisite: Placement into the course or German 110
A sequel to German 110, designed to increase knowledge of the basic language, culture, and geography of the Germanic world. Emphasis is also given to increasing students' capacity to converse, read, and write in German. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions.

201. Intermediate German I.....3 credit hours
Prerequisite: Placement into the course or German 120
A review and expansion of the grammar, culture, and vocabulary studied in elementary German. Linguistic tasks studied include describing, narrating, and giving opinions and information on a variety of topics. Emphasis is also given to strengthening reading and writing skills through a study of authentic Germanic texts, which may be drawn from the following media: film, newspapers, popular music, magazines, television, and literary prose and verse.

202. Intermediate German II .....3 credit hours
Prerequisite: Placement into the course or German 201
A sequel to German 201, designed to increase students' facility to speak and write sentences of greater structural sophistication that are logically connected in paragraph-length discourse. Increased emphasis is placed on communicating in past, future, and hypothetical situations. Study of authentic Germanic texts from various media is continued.

343. Practicum.....3 credit hours
Prerequisite: German 202 or equivalent
On- or off-campus experience that provides a linguistic and cultural opportunity for students who wish to acquire practical knowledge of German beyond the intermediate level.

Health Care/Nursing

B.A./M.S.N.: Maryville College and Vanderbilt University, Senior Year in Absentia

Associate Professor Martha Craig, Coordinator

The program of study leading to the Bachelor of Arts in Health Care from Maryville College and the Master of Science in Nursing from Vanderbilt University consists of six semesters (three academic years) at Maryville followed by six semesters (two academic years and two summers) at Vanderbilt. All general education required of the major and major-related courses and a total of 96 credit hours must be completed by the end of the junior year at Maryville. During the junior year, the student makes application to Vanderbilt; admission is determined entirely by Vanderbilt University. Following the fourth year and after the completion of 128 credit hours, the student receives the B.A. in Health Care from Maryville College; the M.S.N. is then completed at Vanderbilt.

Major-related Requirements:

Psychology 101: Introductory Psychology
Psychology 211: Child Development
Sociology 101: Introductory Sociology
Sociology 211: Cultural Anthropology
Chemistry 121/122: Principles of Chemistry I and II
Biology 217/218: Human Anatomy and Physiology I and II
Physical Education 101: Human Health and Development
Physical Education 219: Principles of Human Nutrition
Biology 355: Microbiology or equivalent
Mathematics 221: Inferential Statistics

A total of 96 credit hours must be completed at Maryville College. Recommended electives include courses in economics, business, psychology, sociology and physical education/health.

History

Professor Susan Schneibel, Chair, Division of Humanities

History is a discipline concerned with the diversity of humankind and with social and cultural change over time. The study of the past offers liberation from confined thinking that cannot see beyond the present, and it helps the student achieve the deeper perspective essential to personal and intellectual growth. The Major in History serves as preparation for a host of occupations, including law, journalism, communications, the ministry, environmental studies, teaching, business, library information, or public service.

The **Major in History** consists of 43 hours, including 33 in history and 10 in related fields. Courses required are History 162, 203, 242, 243, 351, 352, 371, and Humanities 201 and 347. Three hours are selected from History 111, 112, 221, 249, 251. Nine hours are chosen from History 303, 321, 333, 334, 335, 342, and 349. Six hours in related courses are selected from Art 111, 212, 311; Economics 334; English 221, 222, 311, 333, 334, 335; Music 312; Philosophy 201, 205, 206, 207; Religion 348; Theatre 314, 315.

The **Major in History/Political Science for Teacher Licensure** requires a minimum of 52 hours, including 33 hours in history, 4 hours in Humanities, and 15 hours in political science. Required courses are History 111, 112, 162, 203, 242, 243, 351, 352, 371 and Humanities 201 and 347. Six hours are chosen from History 303, 321, 333, 334, 335, 342, and 349. Required political science courses are Political Science 122, 211, 212, 321, and 322.

The **Major in History/Economics for Teacher Licensure** requires a minimum of 54 hours, including 33 hours in history, 4 hours in Humanities, and 17 hours in economics. Required courses are History 111, 112, 162, 203, 242, 243, 351, 352, 371, and Humanities 201 and 347. Six hours are chosen from 303, 321, 333, 334, 335, 342, and 349. Required economics courses are Economics 201, 221, 251, 321, and 331.

The **Major in History for Teacher Licensure** allows students the options of an add-on endorsement different from political science or economics and requires a minimum of 37 hours, including 33 hours in history and 4 hours in Humanities. Required courses are History 111, 112, 162, 203, 242, 243, 351, 352, 371, and Humanities 201 and 347. Six hours are chosen from History 303, 321, 333, 334, 335, 342, and 349.

The **Minor in History** consists of 15 hours, including History 162, 242 or 243; one course at the 300 level; and six hours in other courses in history.

The **Minor in History for Add-On Teaching Endorsement** requires the completion of 18 hours in History, including History 162, 203, 242, 243, one course chosen from History 111 or 112, and a World Cultures course chosen from 310, 320, 330, 340, or 350.

For all Teacher Licensure tracks, additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing licensure tracks must complete 29 credit hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

111. Colonial and Revolutionary America.....3 credit hours
Examination of precontact native American people, culture, and society as well as the effect of European invasions; the European background to settlement in the New World; societies in the North, South, and Southwest; the quest for independence from Great Britain; and confederation and constitution.

112. History of the United States in the 19th Century.....3 credit hours
Examination of the Early National Period; economic, political, and cultural changes in the Jacksonian era; slavery; abolition; sectionalism and Civil War; Reconstruction; and the beginnings of industrialism and imperialism.

162. Introduction to the Study of History...3 credit hours
Reserved for first-year and second-year students; others need permission of instructor
Designed as an introduction for both the major and the minor in history, the course covers approaches to the past and historical methods, historiography, issues in and challenges to the historical profession, and teaching and learning history.

203. History of the United States in the 20th Century.....3 credit hours
Prerequisite: Sophomore standing
Examination of political economy, Progressivism, World Wars, the Great Depression, the nuclear age, 1960s reforms, Vietnam, and the age of limits. Includes a major oral history research assignment.

221. Europe and the World in the 20th Century.....3 credit hours
Prerequisite: Sophomore standing
This course traces the social and political transformation of Europe from the turn of the century to the post-Cold War period. Among the issues addressed are the two world wars, the diplomatic eclipse of Europe in the Cold War, changes in social structure, gender relations and economic life, and the break-up of the Cold War order.

242. World Civilization from Earliest Times to 1500 C.E.....3 credit hours
An introduction to the history of human communities, including the stone age, the major civilizations of the ancient and classical worlds, pre-modern developments, the role of "barbarians" in history, and the exchange of goods and ideas among different societies. Short papers which call for the interpretation of historical evidence and/or for primary source analysis will be assigned.

243. World Civilization from 1500 C.E. to the 20th Century....3 credit hours
An introduction to the history of the world since the dawning of the modern era. Among the themes addressed are the rise of European political and economic hegemony, capitalism, industrialism, revolution, the political decline of non-Western states, imperialism, and nationalism. Short papers which call for the interpretation of historical evidence and/or for primary source analysis will be assigned.

249. Appalachian History and Literature...3 credit hours
This course examines how history and literature have forged a record of life in Southern Appalachia, and how historical themes are made manifest in literature. Readings come from both history (articles and monographs) and literature (poems and novels). Themes include the Native American experience, white settlement, discovery and exploitation by outsiders, out-migration, and rediscovery of the region. Students are expected to develop critical and analytical skills through class discussions, oral presentations, and writing assignments that contain both literary and historical components.

251. Economic History of the United States.....3 credit hours
Prerequisite: Sophomore standing
Survey of American economic development from colonial times to the present. Special emphasis on the economic development of the South, the industrialization of the American economy, the development of banking, and the impact of international trade.

303. Studies in United States History...3 credit hours
Prerequisites: two courses from History 111, 112, 203
An in-depth examination of a particular theme in U.S. history, with subject matter changing regularly to suit the interests of students and faculty. Possible topics include: history of African Americans, of American women, of Native Americans, and American thought and culture.

321. Studies in Modern European History.....3 credit hours
Prerequisite: Junior standing or History 243
This course will examine a particular theme from the history of Europe since 1500, based on faculty expertise and student interest. Possible topics include: the Enlightenment and its aftermath, gender and class in modern Europe, political ideologies of modernity, and the crises of the twentieth century.

333. Studies in Asian History.....3 credit hours
Prerequisite: Junior standing or History 243
Note: students are strongly encouraged to enroll in Asian or African history courses that study regions different from those they study in their World Cultures courses
This course will cover in depth the history of the modern period of a major region of Asia, including both internal issues and responses to European challenges. The region to be studied will be selected on the basis of faculty expertise and student interest. Possible regions are India, China, and the Islamic World.

334. Studies in Latin American History.....3 credit hours
Prerequisite: Junior standing or History 243
This course will examine a particular theme in Latin American history, depending on faculty expertise and student interest. Possible topics include: pre-Columbian Latin America, the Iberian conquest, Latin America and the United States, and the history of specific countries in Latin America.

335. Studies in African History.....3 credit hours
Prerequisite: Junior standing or History 243
Note: students are strongly encouraged to enroll in Asian or African history courses that study regions different from those they study in their World Cultures courses
This course will examine a particular theme, era, or locale in the history of Africa since the sixteenth century. Possible topics include the history of southern Africa, the African colonial experience, the history of West Africa, and the African social history.

337. Internship in History.....7 to 15 credit hours
Practical off-campus experience in a field setting. One credit hour is associated with each week of full-time employment.

342. Studies in Pre-Modern History....3 credit hours
Prerequisite: Junior standing or History 242
This course will focus on selected topics in the classical and post-classical periods of world history. A major geographical area, such as classical Greece or India, or Medieval Europe, or a significant topical issue such as trade or warfare will be selected on the basis of faculty expertise and student interest.

343. Practicum in History.....2 to 6 credit hours
An on- or off-campus experience that provides an introduction to careers and other opportunities for the history major. Involvement is expected to be at least three hours of activity per week during the semester for each credit hour given.

349. Topics in History.....3 credit hours
Prerequisite: Junior standing
Course content varies from year to year to meet the special interests, abilities, and needs of advanced students.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing, History 162 and Humanities 347
The Senior Study requirement is fulfilled with this two-course sequence. The student carries out individualized research and writing under the guidance of a faculty supervisor, usually culminating in the writing of an extended analytical thesis. Ordinarily taken spring term of the junior year and fall term of the senior year.

371. Seminar in History.....3 credit hours
Prerequisite: Junior standing
Designed as a capstone in the major, the course will introduce students to the insights and challenges of comparative or global history. As a seminar, the course will require a high level of historical analysis and synthesis of global or comparative themes in recent history. Possible global themes include imperialism, decolonization, war and society in the twentieth century, and world trade. Possible comparative themes include frontiers, gender, racism, and revolution.

Humanities

Professor Susan Schneibel, Chair, Division of Humanities

201. Perspectives in the Humanities....3 credit hours
Co-requisite: Composition 120
An interdisciplinary course required for all majors in the Humanities. Students are introduced to important ideological and theoretical concepts that have shaped scholarship in the Humanities. Focus will be on major movements rather than on specific methodologies and will emphasize the ideas that underlie interpretation of texts in multiple areas of the Humanities.

347. Research and Professional Issues...1 credit hour
Emphasizes research preparedness leading to the Senior Study experience. Topics may include discipline-specific reading around a Senior Study topic, professional ethical standards, electronic literature search strategies, the writing and delivery of the formal research proposal using presentation software, and career development. Ordinarily taken in the fall of the junior year.

International Business

Associate Professor John Gallagher, Coordinator

The Major in International Business combines work in several related disciplines with language study and a period of time overseas. The **Major in International Business** consists of 46 credit hours divided into two sequences of courses. All students take the first sequence which includes the following courses: Political Science 212, Sociology 211, Social Science 201, Economics 201, International Business 351-352, and one course chosen from Religion 212, History 221, 333, 334, or 335. The second sequence of required courses includes Business 201, 215, 329, 401, Economics 325, and Business 344, or appropriate courses offered at an approved overseas institution.

All students must also complete two years of a foreign language (one year, two courses, beyond the 100-level general education requirement) or demonstrate sufficient foreign language proficiency. When English is a second language for the student in the major, he/she is exempt from the foreign language requirement and may be exempt from the overseas study requirement upon approval of the division chair.

The period of overseas study ideally will be at least a full semester at a foreign institution as described under Study Abroad in this catalog, and will typically take place during the spring semester of the junior year. The requirement for overseas study can also be met through a single period of study of at least six weeks at a foreign institution. Upon approval of the division chair, the overseas study requirement can be met through credit-bearing overseas internship or practicum equivalent in scope to at least six weeks of study at a foreign institution. Note that Social Science 201 is a prerequisite for all overseas coursework and study for which academic credit from Maryville College is to be awarded, and that courses taken during overseas study can substitute for major requirements with the permission of the international business coordinator.

Students majoring in International Business should plan carefully to allow for the required period of study abroad. Study abroad requires careful scheduling of on-campus coursework and anticipation of the likely additional costs related to travel. Study at foreign institutions is described under Study Abroad in this catalog.

Students majoring in International Business may not minor in Business and Organization Management.

Course descriptions for international business courses may be found under the various departmental listings in this catalog.

337. Internship
in International Business.....7 to 15 credit hours
Prerequisites: Junior standing and permission of the Division of Social Sciences Chair
Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum
in International Business.....2 to 6 credit hours
Prerequisites: Junior standing and permission of International Business faculty
Supervised experience enabling students to apply classroom knowledge in an organizational setting. Open only to international business majors. Not to be counted toward a major in international studies.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, and junior standing
The Senior Study requirement is fulfilled with this two-course sequence. Individual study, with the guidance of a faculty supervisor, that provides experience in independent research and the preparation of a case study or a formal paper.

International Studies

Associate Professor Scott Brunger, Coordinator

The Major in International Studies combines work in several disciplines with language study and a period of time overseas. The **Major in International Studies** consists of 46 credit hours divided into two sequences of courses. All students take the first sequence which includes the following courses: Political Science 212, Sociology 211, Social Science 201, Economics 201, International Studies 351-352, and one course chosen from Religion 212, History 221, or Music 311. The second sequence of required courses includes Sociology 101, Economics 221, Political Science 211; six credit hours chosen from History 333, 334, or 335; Spanish 302 or 349, Art 212, Religion 348, or appropriate courses offered at an approved overseas institution.

All students must also complete two years of a foreign language (one year, two courses, beyond the 100-level general education requirement) or demonstrate sufficient foreign language proficiency. When English is a second language for the student in the major, he/she is exempt from the foreign language requirement and may be exempt from the overseas study requirement upon approval of the division chair.

The period of overseas study will ideally be at least a full-semester at a foreign institution as described under Study Abroad in this catalog, and will typically take place during the spring semester of the junior year. The requirement for overseas study can also be met through a single period of study of at least six weeks at a foreign institution. Upon approval of the division chair, the overseas study requirement can be met through a credit-bearing overseas internship or practicum equivalent in scope to at least six weeks of study at a foreign institution. Note that Social Science 201 is a prerequisite for all overseas coursework and study for which academic credit from Maryville College is to be awarded, and that courses taken during foreign study can substitute for major requirements with the permission of the international studies coordinator.

Students majoring in International Studies should plan carefully to allow for the required period of study abroad. Study abroad requires careful scheduling of on-campus course work and anticipation of the likely additional costs related to travel. Study at foreign institutions is described under Study Abroad in this catalog.

The **Minor in International Studies** consists of 16 credit hours including Political Science 212, Sociology 211, Social Science 201, Economics 201, and one course selected from Religion 212, History 221 or Music 311.

Course descriptions for international studies courses may be found under the various departmental listings in this catalog.

337. Internship in International Studies.....7 to 15 credit hours
Prerequisites: Junior standing and permission of the Division of Social Sciences Chair
Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum in International Studies.....2 or 3 credit hours
Prerequisites: Junior standing and permission of international studies faculty
Supervised experience enabling students to apply classroom knowledge in an organizational setting. Open only to international studies majors. Not to be counted toward a major in international studies.

351-352. Senior Thesis.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, and junior standing
The Senior Study requirement is fulfilled with this two-course sequence. Individual study, with the guidance of a faculty supervisor, that provides experience in independent research and the preparation of a formal paper.

Japanese

Professor Susan Schneibel, Chair, Division of Humanities

110-120. Elementary Japanese I & II
. . . . . 110: 4 credit hours
. . . . . 120: 4 credit hours
Introduction to basic conversation patterns of contemporary Japanese, emphasizing vocabulary and grammar. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions. The second course introduces hiragana and katakana syllabaries.

201-202. Intermediate Japanese I & II
. . . . . 201: 3 credit hours
. . . . . 202: 3 credit hours
Prerequisite: Placement into the course or Japanese 120
A continuation of Japanese 110-120, with the introduction of 100 Kanji (Chinese characters) in 201 and an additional 100 Kanji in 202. Offered as demand warrants.

Management

Associate Professor Barbara Wells, Chair, Division of Social Sciences

The College offers a broadly based Major and a Minor in Business and Organization Management. Course listings appear under the Business and Organization Management heading in this catalog.

Mathematics

Professor John Nichols, Chair, Division of Mathematics and Computer Science

The **Major in Mathematics** consists of 56 hours in mathematics and related fields. Required courses in mathematics are 125, 225, 232, 235, 236, 299, 302, 315, 321, 326, 351, 352, 399, and one course selected from 303, 322, or 349. Related courses are Physics 201 and 202 and Computer Science 111 and 112. Computer Science 221 may be substituted for Computer Science 112 with the approval of the Mathematics/Computer Science Division Chair. Any student who expects to attend graduate school is advised to acquire intermediate-level proficiency in French or German. Students desiring more depth in the related fields of Computer Science, Physics, or Statistics are encouraged to complete a minor in one or more of these areas.

The **Major in Mathematics for Teacher Licensure**, consists of 50 hours in mathematics and related fields and 6 additional hours in liberal studies. Required courses in mathematics are 125, 225, 232, 235, 299, 301, 302, 315, 321, 326, 351, 352, and 399. Related courses are Physics 201 and 202 and Computer Science 111. Liberal studies courses are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 credit hours of professional courses in teacher education. These courses are listed under Education in this catalog.

The **Minor in Mathematics** requires a minimum of 16 credit hours, including Mathematics 125, 225, 232 and five additional credit hours in mathematics above Mathematics 225 excluding Mathematics 307, 308 and 399.

The **Minor in Statistics** consists of 16 semester hours, including Mathematics 125, 221, 222, 321, and 322 or 343 (3 hours).

105. Fundamentals of Mathematics.....0 credit hours
A review of basic algebraic skills, signed numbers, fractions, exponents, linear and quadratic equations, inequalities, absolute value, and scientific notation. This course may be included as a three-credit entry in the determination of full-time status, but it does not count toward the minimum hours needed for graduation, and it is not used in the calculation of grade point average. Required of all students who lack an entrance credit in algebra or who perform below minimum standards on the mathematics assessment.

115. Precalculus Mathematics.....4 credit hours
Prerequisite: Satisfactory performance on the mathematics assessment or Mathematics 105
A foundational course in college algebra and trigonometry. Topics include functions, polynomial and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, and complex numbers.

125. Calculus I.....4 credit hours
Prerequisite: Mathematics 115 or the equivalent
An introduction to calculus using computer technology. Topics include functions, limits, the derivative and its applications, and the definite integral. All topics are presented geometrically, numerically, and algebraically.

221. Inferential Statistics.....3 credit hours
Prerequisite: Statistics 120
Topics include interval estimation, hypothesis testing, analysis of variance, basic experimental design, nonparametric statistics, and chi-square tests.

222. Regression Analysis.....3 credit hours
Prerequisite: Statistics 120
Topics include linear regression, multiple regression, nonlinear regression, and regression diagnostics.

225. Calculus II .....4 credit hours
Prerequisite: Mathematics 125
A continuation of Mathematics 125. Topics include the definite integral and its applications, sequences and series, and approximations using Taylor series.

232. Linear Algebra.....3 credit hours
Prerequisite: Mathematics 125
Topics include linear equations, vector spaces, linear transformations, determinants, matrices, and applications.

235. Calculus III .....4 credit hours
Prerequisite: Mathematics 225
A course in multivariable calculus using computer technology. Topics include functions of several variables, vectors, partial differentiation, multiple integration, parametric equations, vector fields, and line integrals.

236. Ordinary Differential Equations...3 credit hours
Prerequisite: Mathematics 225
Topics include differential equations of order one, linear differential equations, undetermined coefficients, variation of parameters, differential operators, and applications.

299. Foundations of Higher Mathematics...2 credit hours
Prerequisite: Mathematics 232 or the permission of the Mathematics/Computer Science Division Chair
A seminar designed to help students make the transition from freshman/sophomore level mathematics to the more theoretical junior/senior level mathematics. Topics include proof techniques, set theory, and logic. The course emphasizes reading, writing, and presentation of mathematical proofs.

301. Principles of Geometry.....3 credit hours
Pre- or co-requisite: Mathematics 299
Topics from Euclidean and Non-Euclidean Geometry both from the synthetic and the analytical points of view. This course is designed specifically for secondary teachers of mathematics.

302. Modern Algebra.....3 credit hours
Prerequisite: Mathematics 299
An introduction to abstract algebra. Topics include groups, rings, integral domains, and fields.

303. Advanced Algebra.....3 credit hours
Prerequisite: Mathematics 302 or the permission of the instructor
Topics will be selected from the areas of groups, rings, fields, vector spaces, and transformations.

307. Mathematics and Instructional Strategies for K-6 and 4-8 Teachers I.....3 credit hours
Prerequisites: Level I Screening, Junior Standing, and Statistics 120 | Co-Requisite: Education 303
Students develop an understanding of essential mathematical knowledge that integrates content and instructional strategies appropriate for elementary grades K-6 and middle grades 4-8. Content areas include mathematical processes, number/operations, and algebra. Peer teaching, micro-teaching, and field observations are integral components.

308. Mathematics and Instructional Strategies for K-6 and 4-8 Teachers II.....3 credit hours
Prerequisites: Mathematics 307 and Education 303 or permission of the division chairs of Mathematics/Computer Science and Behavioral Sciences
A continuation of Mathematics 307. Content areas include geometry, measurement, and data analysis and probability. Peer teaching, microteaching, and field observations are integral components.

315. Advanced Calculus.....3 credit hours
Prerequisites: Mathematics 235 and 299.
An introduction to Real Analysis. Topics include sequences, the theory of limits, continuity, differentiation and integration.

321. Probability and Statistics I.....3 credit hours
Prerequisites: Statistics 120 and Mathematics 299 or Mathematics 125 and permission of the instructor
An introduction to probability, including counting methods, discrete and continuous probability distributions and their properties, and sampling distributions.

322. Probability and Statistics II.....3 credit hours
Prerequisite: Mathematics 321 or permission of instructor
A continuation of Mathematics 321. Topics include point estimation, including maximum likelihood estimation and methods of moments, confidence intervals, tests of hypotheses, and regression.

326. Numerical Analysis.....3 credit hours
Prerequisites: Mathematics 225 and 299
An introduction to the techniques of obtaining numerical solutions on a computer. Topics include roots of equations, numerical integration, least squares, simultaneous equations, and curve fitting.

337. Internship in Mathematics...7 to 15 credit hours
Practical off-campus experience in a field setting. One credit hour is associated with each week of full-time employment.

343. Practicum in Mathematics....2 to 6 credit hours
Prerequisite: Junior standing
Practical experience enabling students to apply classroom knowledge in an organizational setting. One credit hour is associated with each three hours of work every week for a 14-week semester.

349. Selected Topics in Mathematics....3 credit hours
Prerequisites: Junior standing and permission of instructor
Topics selected from such areas as Real Anaylsis, Complex Analysis, History of Mathematics, Number Theory, or Partial Differential Equations, depending on current faculty and student interest.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing; and at least 21 hours in mathematics courses, including 6 hours at the 300-level, that satisfy requirements for the Major in Mathematics
The Senior Study requirement is fulfilled with this two-course sequence. The study may take one of several forms: activity directed toward the creation or discovery of new mathematics, works of scholarship about mathematics, independent study or a mathematical topic outside of the curriculum, or an individual or collaborative project involving experimentation, data collection, and statistical analysis. All involve individual study and research under the guidance of a faculty supervisor and culminate in a formal paper that follows a division-specific format.

399. Research Seminar.....1 credit hour
Prerequisite: Junior standing
A seminar focusing on development of research skills and methods in mathematics to prepare students for the Senior Study experience. Topics include literature search strategies, mathematical writing, poster and report preparation, and techniques for oral presentations. Students will be introduced to discipline-specific software used in Senior Study, as well as to professional organizations and trends in professional issues.

Medieval Studies

Professor Sam Overstreet, Coordinator

A multi-disciplinary minor in medieval studies is offered. The program emphasizes major currents of thought in the West from the collapse of the Roman Empire to approximately the year 1500. The **Minor in Medieval Studies** requires a minimum of 18 hours, with five courses chosen from the following: Art 313, English 331, Music 313, Philosophy 201, History 342 (with permission of the Coordinator of the minor), and Religion 346 (with permission of the Coordinator of the minor). History 342 and Religion 346, as special topics courses, are counted for the minor when they focus sufficiently on the Middle Ages. The courses are described under the separate departmental listings.

Art 313: Studies in Medieval Art
English 331: Chaucer in Middle English
History 342: Studies in Pre-Modern History
Music 313: History of Western Fine Arts Music to 1750
Philosophy 201: Ancient and Medieval Philosophy
Religion 346: Explorations in Christian Thought and Culture

Music

Associate Professor Mark Hall, Chair, Division of Fine Arts

AUDITIONS AND ADMISSION TO MUSIC CURRICULA

All students intending to pursue a major or minor in music or participate in an ensemble must complete the Music Placement Hearings during Fall Orientation prior to beginning study. Each student will then be counseled into the appropriate courses. All music majors must demonstrate proficiency in basic keyboard skills. Those who lack this preparation upon entering must take Keyboard Fundamentals for 0 credits every term until all six areas of the proficiency requirement are passed. All music majors must pass the piano proficiency requirement before enrolling in Senior Project 351-352.

Admission to a particular curriculum as a music major is conferred by the music faculty after the completion of Music 102 or, in the case of students with advanced standing, after one semester of study at Maryville College. Contact the Chair of the Division of Fine Arts for details.

French or German is recommended as the foreign language choice for singers and students planning graduate work in music.

THE BACHELOR OF ARTS DEGREE

The **Major in Music** for those pursuing the Bachelor of Arts degree requires a minimum of 46 hours including Music 101-102, 111-112, 201-202, 211-212, 311-314, 351-352, 8 hours of applied music, and 4 hours of ensemble participation. Keyboard proficiency must be demonstrated. At least 66 hours must be earned in general studies.

The **Minor in Music** consists of 18 credit hours in music, including 101-102, 111-112, 6 credit hours at the 300 or 400 level, and 4 credit hours in courses, lessons, and/or ensembles.

THE BACHELOR OF MUSIC DEGREE

The Bachelor of Music is a professional degree, intended for students who plan to pursue a career in some aspect of music. It differs from the Bachelor of Arts degree in its general education core requirements (see General Education in this catalog) and the extent of specialization. As a professional degree, it affords more extensive study in the major field.

The College offers major programs in performance, music education, and theory-composition. All include preparation in theory, aural skills, and music history. Private lessons are a part of each major, as is sustained participation in a musical ensemble. Beyond these common elements, students take specialized courses appropriate to each major.

MUSIC EDUCATION

The **Major in Music Education for Teacher Licensure in Vocal/General Music** consists of 61 credits in music including Music 101-102, 111-112, 201-202, 211-212, 311-314, 321, 322, 323, 351-352, 14 hours of applied music (voice or voice and piano) and 8 hours of ensemble (at least 6 in choir). A senior recital is required. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 credit hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

The **Major in Music Education for Teacher Licensure in Instrumental Music** consists of 62 credits in music including Music 101-102, 111-112, 201-202, 211-212, 311-314, 321, 322, 323, 324 (4 credits total), 351-352, 11 hours of applied music (major instrument), and 8 hours of ensemble (at least 6 in instrumental ensembles). A senior recital is required. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 credit hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

PERFORMANCE

The **Major in Piano or Vocal Performance** consists of a total of 78 credit hours including Music 101-102, 111-112, 201-202, 211-212, 308, 311-314, 322, 323, 351-352, 401-402, 24 hours of applied music in the principal area, 8 hours of ensemble, and 4 hours of music electives (courses, lessons, ensembles, or a combination). Students pursuing this degree must qualify for the honors in applied music program and present a half recital in the junior year and a full recital in the senior year.

THEORY-COMPOSITION

The **Major in Theory-Composition** consists of a total of 78 credit hours including Music 101-102, 111-112, 201-202, 211-212, 305, 306, 308, 311-314, 322, 323, 343, 351-352, 20 hours of applied lessons in either theory or composition or a combination, including studies in music synthesis and MIDI technology, 8 hours of ensemble, and 2 hours of music electives (courses, lessons, ensembles, or a combination). Students pursuing this degree must present a full recital in the senior year.

101. Music Theory I.....3 credit hours
Prerequisite: Music FUN 002 or placement
Co-requisite: Music 111
Basic elements of music, including notation, the overtone series, rhythm, intervals, transposition, scales, keys, modes, triads, and beginning melodic analysis. Students will write a short composition for solo voice or instrument. Computer-assisted instruction supplements course materials.

102. Music Theory II.....3 credit hours
Prerequisite: Music 101 | Co-requisite: Music 112
Introduction to harmonic function and analysis through study of harmonic progression, cadences, and non-chord

tones. Voice leading principles in four-part chorale texture, including both analysis and composition. Study of binary and ternary forms and modulation to closely related keys. Students will write a composition for four voices or instruments. Computer-assisted instruction supplements course materials.

111. Aural Skills I .....1 credit hour
Co-requisite: Music 101
Introduction to sight-singing and dictation, including intervals, scales, scale patterns, melodies, and triads. Methods of syllabication include solfege, numbers, and pitch names. Introduction to the major conducting patterns, to be used while singing. Major mode sight-singing and dictation in treble and bass clefs. Solo rhythmic improvisation as well as vocal and instrumental melodic improvisation. Composition of rhythms and melodies to be used for in-class singing and dictation practice. One hour in-class instruction and one hour computer-assisted lab instruction per week.

112. Aural Skills II.....1 credit hour
Prerequisite: Music 111 | Co-requisite: Music 102
Diatonic sight-singing and dictation in treble, bass, and alto clefs in both major and minor modes. Expanded melodic dictations and continuation of interval dictation and singing. Beginning harmonic dictation, including functional hearing as well as diatonic four-part chorale texture. Rhythmic, melodic, and harmonic improvisation, both solo and in groups. Singing and perceiving modulations. One hour in-class instruction and one hour computer-assisted lab instruction per week.

201. Music Theory III.....3 credit hours
Prerequisite: Music 102 | Co-requisite: Music 211
Refinement of harmonic and form analysis skills, including formulation of sound theoretical arguments concerning music of the 17th, 18th, and 19th centuries. Chromatic elements of music, including secondary dominants, Neapolitan and augmented sixth chords, borrowed chords, and chromatic mediants. Analysis of contrapuntal procedures, including fugue. Study of forms, including theme-and-variation, sonata, and rondo. Students will write a melody with instrumental accompaniment, using the harmonic materials studied during the semester. Computer-assisted instruction supplements course materials.

202. Music Theory IV.....3 credit hours
Prerequisite: Music 201 | Co-requisite: Music 212
Continued exploration of analytical arguments, concerning works of the late 19th and 20th centuries. Chromatic modulation, enharmonic chords, expanded tonicization, and linear harmonies. Compositional styles of Debussy, Stravinsky, Bartok, Messiaen, Schoenberg, Cage, Reich, and others will be examined. Detailed analysis of interval-lic organization and serialism. Students will write a work in a 20th-century style. Computer-assisted instruction supplements course materials.

211. Aural Skills III.....1 credit hour
Prerequisite: Music 112 | Co-requisite: Music 201
Continuation of diatonic singing and dictation. Introduction to embellishing and functional chromaticism through singing and dictation. Further ear-training in functional harmony, including chromatic harmony. Improvisation of rhythms, melodies, and harmonies, with an emphasis on group improvisation. One hour in-class instruction and one hour computer-assisted lab instruction per week.

212. Aural Skills IV.....1 credit hour
Prerequisite: Music 211 | Co-requisite: Music 202
Functional chromatic singing and dictation, including enharmonic chords and distant modulations. Continuation of functional harmonic ear-training. Singing and dictation of atonal music, especially interval cells and tone rows. Practice in hearing by interval rather than within a tonal context. Improvisation of tonal and atonal music. One hour in-class instruction and one hour computer-assisted lab instruction per week.

305. Analytical Techniques.....3 credit hours
Prerequisite: Music 202
A holistic examination of major methods and trends in theoretical analysis, with a focus on the development of independent theoretical perspectives. Advanced methods of analysis include style analysis, form and structure analysis, and Schenkerian analysis, as well as recently developed methods. Works from the classical canon provide materials for study.

306. Philosophy and Aesthetics of Music .....3 credit hours
Prerequisite: FNA 140 (Music section) or permission of the instructor and junior standing
A survey of major philosophical writings about music, from Ancient Greece to the 20th century. Treatises of music theorists and historians as well as writings by philosophers such as Plato, Pythagoras, Hemlholtz, and Schopenhauer are included. The role of music in culture, including the aesthetic impetus for music making and music listening, are examined. Students are encouraged to engage in independent analysis, culminating in a substantial research project.

308. Pedagogy in the Applied Field.....1 credit hour
A study of various teaching techniques and a practical introduction to materials and procedures. Includes observation and teaching.

311. Music in Non-Western Cultures...3 credit hours
Prerequisite: Music 101, or the music section of Fine Arts 140/340, or permission of instructor
A study of the musics of several non-Western cultures, including their characteristics and structures, genres, histories, and places in their societies. Reading, listening, analysis, and a research project are required.

312. History of Music in the United States.....3 credit hours
Prerequisite: Music 101, or the music section of Fine Arts 140/340, or permission of instructor
A study of music in the United States from the Pilgrims to the present, including both the cultivated and the vernacular traditions. Reading, listening, analysis, and a research project are required.

313. History of Western Fine Arts Music to 1750.....3 credit hours
Prerequisite: Music 102
A study of the western fine arts tradition in music in ancient Greece, the Middle Ages, the Renaissance, and the Baroque Era. Reading, listening, analysis, and a research project are required

314. History of Western Fine Arts Music from 1750 to the Present.....3 credit hours
Prerequisite: Music 102
A study of the western fine arts tradition in music in the Classical, Romantic, and Modern eras. Reading, listening, analysis, and a research project are required.

321. Methods and Materials of Music Education K-12.....2 credit hours
Prerequisite: Music 202
The study of concepts and processes specific to and necessary for effective instruction in K-12 music education. Students explore various elementary and secondary music methods in both a classroom setting and in workshops by specialists in the field. Music 321 is an additional prerequisite for Education 343 for students majoring in Music Education for Teacher Licensure.

322. Conducting.....3 credit hours
Prerequisite: Music 102
Conducting patterns, rehearsal techniques, and score reading, with practical applications through exercises and through rehearsal and conducting of selected music literature. Students gain practical experience in conducting an ensemble along with their classroom work.

323. Orchestration and Arranging.....2 credit hours
Prerequisite: Music 201
Aural and visual examination of writing techniques for string, woodwind, brass, and percussion instruments, with emphasis given to scoring applications appropriate for secondary school ensembles. Scoring for less frequently used instruments, including fretted instruments, and the human voice as an orchestral timbre. Includes computer-assisted scoring.

324. Introduction to Orchestral Instruments.....4 credits total
Emphasis is placed on elementary performing ability on string, wind, and percussion instruments sufficient to teach students effectively in elementary and secondary school performing groups. Four semesters of instruments are required (one hour credit per semester) with variable emphasis according to the needs of the prospective teacher.

337. Internship.....7 to 15 credit hours
Prerequisites: Music 102 and permission of instructor
Full-time supervised, field-based experience in professional settings, such as music publishing, music retail, performing arts organizations, arts councils, and church music programs.

343. Practicum.....2 to 6 credit hours
Prerequisites: Music 102 and permission of instructor
Part-time supervised, field-based experience in professional settings, such as music publishing, music retail, performing arts organizations, arts councils, and church music programs.

349. Special Topics in Music.....3 credit hours
Prerequisite: Permission of instructor
Topics, selected in accordance with student interest, may include advanced music theory, musical arranging, music and the other arts, and popular music.

351-352. Senior Project.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing, and successful completion of all areas of keyboard proficiency
The Senior Study requirement is fulfilled with this two-course sequence. The Senior Project involves individual research with the guidance of a faculty supervisor.

401. Literature in the Applied Field I...1 credit hour
A chronological survey of the standard repertoire of each performance medium through score study, record listening, and performance. Offered as demand warrants.

402. Literature in the Applied Field II...1 credit hour
A continuation of Music 401.

APPLIED MUSIC

The study of applied music is central to all curricula in music and is a valuable elective for students in majors other than music. One credit hour per semester is earned for a half-hour lesson and at least three hours practice per week. Two credit hours per semester are earned for an hour lesson or two half-hour lessons and at least six hours practice per week. Three credit hours, available only to music majors, are earned for a 90-minute lesson or two 45-minute lessons per week and at least nine hours practice per week. (Non-credit students are expected to practice the same amount of time as the parallel credit students).

Instruction and practice include both technique and a minimum standard repertoire. For music majors, the latter includes, over a period of time, standard repertoire for the given instrument from each appropriate historical era and genre. For non-majors, the instructor may tailor the selection of repertoire to the individual student's particular goals and needs.

MUS APT Applied Theory

MUS BAR Baritone

MUS BON Trombone

MUS BSN Bassoon

MUS CLN Clarinet

MUS COM Composition
Development of basic techniques in the structure and craft of musical composition. Writing in all genres according to individual abilities and interests.

MUS FLU Flute

MUS FUN 1 Fundamentals of Music I
Preparatory applied lessons for music reading and study. This lesson is available by placement only and is taken non-credit on an S/U basis.

MUS FUN 2 Fundamentals of Music II
Prerequisite: Music FUN 1
Preparatory applied lessons for music reading and study. This lesson is available by placement only and is taken non-credit on an S/U basis.

MUS GUT Guitar

MUS HPT Harpsichord
Prerequisite: Demonstrated basic keyboard proficiency

MUS HRN Horn

MUS IMP Jazz Improvisation
Development of fundamental skills and techniques necessary for jazz improvisation performance.

MUS KBD Keyboard Fundamentals
Instruction in basic musicianship and keyboard technique, including principles of transposition and improvisation, to enable students to develop the skills necessary to pass the piano proficiency examination. A development course which can be taken for credit or non-credit. Credits earned in this course may not be applied to a music major.

MUS OBO Oboe

MUS ORG Organ
Prerequisite: Demonstrated basic keyboard proficiency

MUS PER Percussion

MUS PIA Piano
Prerequisite: Demonstrated basic keyboard proficiency

MUS STR Strings

MUS TMP Trumpet

MUS VOC Voice

ENSEMBLES

The following ensembles are open to all students who meet the stated requirements. One credit hour per semester may be earned for participation in one of these organizations.

MUS E12 The Maryville College Concert Choir *

MUS E13 The Maryville College Community Chorus

MUS E14 The Orchestra at Maryville: A College-Community Ensemble **

MUS E15 The Maryville College Jazz Band **

MUS E16 The Maryville College Community Concert Band **

MUS E17 Chamber Music Ensemble.....1/2 credit hour per semester
Prerequisitc: Permission of instructor
Small instrumental and/or vocal ensembles, guided by music faculty in the performance of appropriate chamber music. Specific offerings will vary from year to year, depending upon student need.

** Audition required*
*** Some previous instrumental experience required*

Nonprofit Leadership Certificate Program

Mr. Cole Piper, Director

The **Program for Nonprofit Leadership** is a partnership between Maryville College and American Humanics. American Humanics is a national organization that provides certification in the management of nonprofit organizations to those students who complete a set of certificate requirements in addition to the requirements for their chosen major. Typically, all requirements for the major as well as for the certificate can be accomplished as part of the student's overall course of study. Participation in the program and pursuit of the certificate should not normally add to the time required to graduate.

The certificate is widely recognized and accepted by nonprofit organizations around the world, and it is a valuable credential for students interested in working in the nonprofit sector. The certificate is recognized as evidence of outstanding preparation for entry-level professional positions by a number of nonprofit organizations, such as the YMCA and YWCA, Big Brothers and Big Sisters, Catholic Charities, the Urban League, the Boy Scouts and Girls Scouts, Habitat for Humanity, Junior Achievement, organizations service environmental interests, and international non-governmental organizations. The demand in nonprofit organizations for professional management and leadership is growing and will continue to grow.

The Program is managed by an Executive Director, and governed by an Advisory Board that includes faculty of the College, as well as representatives from area nonprofit organizations. All Program elements are part of the academic program of the College.

Students work with the Director of the Program for Nonprofit Leadership and their academic advisors to establish individualized curricular and co-curricular programs that fulfill the requirements of the certificate. Students will also participate in a student association related to the program.

The Director of the Program provides assistance and guidance to the student association, coordinates internships, and assists students in finding post-graduate employment. Placement assistance is also available through American Humanics.

The Certificate in Nonprofit Management is awarded by Maryville College in partnership with American Humanics, a national alliance of colleges, universities and nonprofit organizations. The Certificate may be pursued by students in any major and is designed to prepare students to become skilled professionals and leaders in nonprofit organizations.

NONPROFIT LEADERSHIP CERTIFICATE REQUIREMENTS:

The Certificate is awarded to students who fulfill a prescribed set of competencies developed by American Humanics. A Humanics transcript is developed for each student showing the fulfillment of competencies in five categories:

1. **Coursework:**
   SLS 203 Introduction to Nonprofit Management.....3 credit hours
   BUS 201 Principles of Management.....3 credit hours

2. **Internship:**
   An internship of 300 clock hours must be completed at a nonprofit organization. The Program Director, in consultation with academic departments and the Center for Calling and Career, will arrange and approve internships. Certification requirements may be satisfied by internships with or without academic credit. Internships pursued for credit must follow all procedures and meet all requirements of academic departments.

3. **American Humanics Institute:**
   A national leadership institute is sponsored every January by the national American Humanics organization. It is attended by students from nearly 100 colleges and universities. To receive the Certificate, a student must attend the Institute once during the college career. As an exercise in developing fund raising skills, students are required to raise their own travel funds. Students will attend the Institute and return to campus to take the SLS 203 January Term course.

4. **Fulfillment of Competencies:**
   All competencies must be fulfilled. Many are fulfilled by completion of the requirements listed above. Some are automatically fulfilled by completion of the Maryville College general education curriculum. Others may be fulfilled by major courses or electives. Many other competencies must be fulfilled by workshops and seminars offered by Maryville College and by other approved organizations. To be counted in fulfillment of competencies, workshops or seminars must be approved by the Program Director.

5. **Completion of 180 Coursework Contact Hours Addressing American Humanics Competencies:**
   180 contact hours must be completed. Most of these hours are covered by work in the two required courses, or sections of courses, in general education. The remaining contact hours will occur in workshops and seminars. Contact hours are tracked on the student's Humanics transcript.

Outdoor Recreation

Professor Terry Simpson, Chair, Division of Education

The **Major in Outdoor Recreation** consists of a minimum of 53 hours and includes the following courses: PHR 102, 235, 315, 321, 335, 337 (9 credit hours), 343 (3 credit hours), 347, 351, and 352. A total of 6 activity courses, 5 hours of which must be outdoor related, is also required. Related courses are: one course from Environmental Studies 101, 316 or 345; Psychology 101; Business 201; and Biology 311. Students majoring in outdoor recreation are encouraged to complete coursework for a minor such as business, psychology or sociology.

Course descriptions may be found under Physical Education, Health and Recreation and other subject areas in these course listings.

The **Minor in Outdoor Recreation** consists of 16 credit hours. The required courses are PHR 107, 172, 174, 235, 321, 335, and Biology 311. The minor also requires the completion of the Red Cross certification in Standard First Aid and Community CPR. The Minor in Outdoor Recreation is not open to physical education majors.

Philosophy

Professor Susan Schneibel, Chair, Division of Humanities

A liberal arts education is literally about the "arts of freedom." To be truly free, requires one to question and to think for oneself. Philosophy, which literally means the "love of wisdom," lies at the heart of a liberal arts education because it asks students to question, explore, and pursue truth wherever it may lead. In philosophy, rigor, honesty, and humility are requisite to exploring questions about reality and truth, justice and morality, life and death, language and culture, society and politics, and God and the meaning of existence. Students who major or minor in philosophy learn to think and write critically, and to read and analyze texts carefully. Such skills are excellent preparations or professions in law, politics, business, education, ministry, and medicine.

The **Major in Philosophy** consists of at least 46 hours in philosophy and related areas. Required courses are Philosophy 162, 211, 348, 351, 352, and Humanities 201 and 347. Three courses are chosen from Philosophy 201, 205, 206, 207; one course is chosen from Philosophy 326 or 329; and one course is selected from Political Science 306, Economics 334 and Sociology 401. An additional 3 hours are chosen from other Philosophy offerings at the 300-level. Also required are 6 hours chosen from Music 306 and Religion 326, 346, or 348.

The **Minor in Philosophy** consists of 15 credit hours of philosophy, including Philosophy 162.

162. Introduction to Philosophy and Logic.....3 credit hours
An introduction to some of the central questions and themes in philosophy. By acquiring basic skills and concepts in logic, students learn to pursue those questions with logical rigor and critical thinking.

201. Ancient and Medieval Philosophy...3 credit hours
Co-requisites: Composition 120 and FRS 140
Examines the birth of self-critical reflection from the pre-Socratic philosophers through Plato, Aristotle, and Greco-Roman philosophy up through the philosophy of the high middle ages, e.g., Aquinas and Occam.

205. Early Modern Philosophy from 16th to the 18th Century.....3 credit hours
Prerequisites: Composition 120 and FRS 140
Exploration of the questions, themes, and perspectives of the early modern philosophers, ranging from the continental Rationalists (Descartes, Spinoza, and Leibniz) to the British Empiricists (Bacon, Hobbes, Locke, and Berkeley). Other early modern thinkers like Pascal or Rousseau may also be addressed.

206. Enlightenment & Late Modern Philosophy – 18th - 20th Century.....3 credit hours
Prerequisites: Composition 120 and FRS 140
Beginning with the pivotal Enlightenment critiques of Hume and Kant, this course will explore how 19th century thinkers (such as Hegel, Marx, Kierkegaard, and Nietzsche) and early 20th century thinkers (such as Heidegger, Russell, Wittgenstein, and Whitehead) responded to and developed philosophy in wake of the Enlightenment.

207. Contemporary Philosophy.....3 credit hours
Prerequisites: Composition 120 and FRS 140
Exploration of some of the major philosophical movements in the 20th and early 21st centuries, such as existentialism, phenomenology, logical positivism, linguistic and analytic philosophy, and process philosophy.

211. American Philosophy.....3 credit hours
Prerequisites: Composition 120 and FRS 140
An exploration of central themes, thinkers, and schools of thought in American philosophy, ranging from New England transcendentalists (Emerson & Thoreau) to pragmatists (Piece, James, Dewey) to neo-pragmatists (Rorty) to contemporary political theorists (Rawls, Sandel).

326. Philosophy of Religion.....3 credit hours
Prerequisite: Any philosophy course or junior standing
Religious symbols and systems studied from a philosophical perspective. Among questions the course considers are the nature of religious language, approaches to religious truth, various conceptions of divinity, and whether or not humans are naturally religious.

329. Modern Critiques of Religion.....3 credit hours
Prerequisite: Any philosophy course or junior standing
An exploration of religious beliefs, attitudes and practices from the standpoint of religion's critics, both those within and without religious traditions.

348. Comparative Philosophy ..... 3 credit hours
Prerequisite: Any philosophy course or junior standing
The study of competing philosophical conceptions of the world and of reality as expressions of human, cultural, and intellectual diversity. Western and non-Western philosophies will be compared and critically examined.

349. Selected Topics in Philosophy.....3 credit hours
Prerequisite: Any philosophy course or junior standing
An in-depth exploration of a philosophical topic, the course may examine a selected area of philosophy, some selected problem, or some specific thinker or school of thought in Western and/or non-Western philosophy.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing and Humanities 347
The Senior Study requirement is fulfilled with this two-course sequence. The courses involve individual study with the guidance of a faculty supervisor. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

Physical Education, Health and Recreation

Professor Terry Simpson, Chair, Division of Education

In Physical Education, Health and Recreation, two majors are offered: one in Physical Education, with a second track in Physical Education/Health for students planning careers as teachers in the field. A third major is offered in Outdoor Recreation.

The **Major in Physical Education** consists of 56 credit hours and includes the following courses: Physical Education, Health and Recreation (PHR) 101, 102, 106, 205, 219, 231, 321, 331, 332, 334, 341, 343 (3 credit hours), 345, 346, 351, 352. Related courses are Biology 217 and 218, Psychology 101, and Business 201. American Red Cross certifications in Standard First Aid and Community CPR are required as part of the major.

The **Major in Physical Education/Health for K-12 Teacher Licensure** consists of 53 credit hours and includes the following courses: PHR 101, 102, 106, 219, 231, 236, 237, 321, 331, 332, 334, 336, 341, 345, 346, 351, 352. Related courses are Biology 217 and 218, and Sociology 215. Additional liberal studies requirements are Psychology 101 and Sociology 271. Also required are 26 credit hours in professional courses in teacher education which consist of Psychology 218, Education 301, 302, 321, 343 (4 credit hours), 401, 402. American Red Cross certifications in standard First Aid and Community CPR are required as part of this major.

Careful planning of one's course of study is necessary to ensure that general education, major, and professional teacher licensure requirements are met within the framework of four years. It is particularly impor-

tant to complete Psychology 101 in the freshman year. Students should meet with the adviser for teacher licensure in physical education as soon as possible. Admission to teacher education is not automatic and occurs only after certain qualifications are met, which include a minimum cumulative GPA of 2.7, a minimum 2.7 in the major, a minimum score on certain standardized tests, and successfully passing two screening processes. Please refer to the section in the catalog on Education for more information and course descriptions.

With careful choice of electives and course substitutions students may design a program of study that will prepare them for graduate study in such fields as Athletic Training, Exercise Physiology, Occupational Therapy and Physical Therapy. Students with this goal in mind should work closely with an advisor in the Division beginning with the freshman year.

The **Minor in Physical Education** consists of 18 credit hours including PHR 102, 321, 331, two hours of Lifetime Activity courses and eight additional hours chosen from courses at the 200 or 300 level. Also requires completion of the American Red Cross certification in Standard First Aid and Community CPR. The Minor in Physical Education is not open to outdoor recreation majors.

Requirements for the **Major in Outdoor Recreation** are listed in the section on Outdoor Recreation in this catalog.

101. Human Health and Development...3 credit hours
A course designed to provide understanding of holistic health (physical, mental and emotional), including health related consumer issues. Fundamentals of physical fitness are introduced, along with issues of human development from late adolescence through old age. Practical sessions in laboratory and gymnasium are part of this course.

102. Historical, Philosophical, and Sociological Foundations of Physical Education, Recreation, and Sports.....3 credit hours
A study of the historical, philosophical and sociological foundations of physical education, recreation and sports that should give students the ability to articulate and communicate effectively the goals of physical education, recreation and sports programs to students, colleagues, administrators and parents.

205. Team Sports, Intramural Administration, Officiating Techniques.....3 credit hours
Rules, techniques, teaching progressions of selected team sports. Practical experience in programming and leadership of intramural activities. Study of officiating techniques, followed by field practice.

219. Principles of Human Nutrition....3 credit hours
Focus is on optimal nutrition for energy, growth and health. The course includes information regarding the functions and interactions of vitamins, minerals and nutrients. Assessments, analysis and appropriate interventions are addressed.

231. Motor Development and Motor Learning.....2 credit hours
A study of the physical growth and development of children and youth, the development of movement skills progressing from the simple to the complex, and the principles of skill acquisition and body control. The psychological aspects of physical education and their relationship to learning human movement skills is emphasized also.

233. Athletic Coaching.....3 credit hours
Examination and analysis of the coaching profession. Philosophical, psychological, social and financial aspects are considered, along with establishment of policies and programs. Field experience included.

235. Group Facilitation.....3 credit hours
Prerequisite: Sophomore standing
An introductory course into the theory and methods used in the facilitation of groups for experiential learning. This course examines theoretical constructs such as group development, group decision-making and group dynamics, also to include selection of initiatives, risk managements and processing the adventure experience. Supervised practice to enhance the students' facilitation skills and techniques will be utilized. This course is appropriate for students working with various age groups in any number of settings.

236. Health Issues in Education.....2 credit hours
A course designed for teacher licensure students which develops an understanding of the basic concepts of physical, mental, and emotional health and safety. Includes development of abilities involved in decision-making and interpersonal skills which promote good health, recognizing and dealing with health problems, using health appraisals and recommending referrals, and using risk management and safety procedures.

237. Introduction to Health Education...1 credit hour
Prerequisite: PHR 236. Open only to PE/Health licensure majors
Designed to provide students with an understanding of the philosophy of health education and the components of a comprehensive school health program. Practical experience with various assessments is provided.

311. Athletic Training.....3 credit hours
Prerequisites or Co-requisites: Biology 217 and American Red Cross certifications in Standard First Aid and CPR
An introduction to the care, prevention, treatment and rehabilitation of athletic injuries. Laboratory experience includes first aid, taping, bandaging and injury evaluation. Clinical work with both men's and women's intercollegiate teams is included.

312. Advanced Athletic Training.....3 credit hours
Prerequisite: PHR 311
This course is designed for the student with plans to pursue a career in sports medicine. It will cover advanced techniques in first aid, therapeutic exercise and modalities, clinical evaluations, and ethical and legal responsibilities of an athletic trainer. Laboratory experience includes working with the intercollegiate men's and women's athletic teams and work in a local sports medicine facility.

315. Wilderness Emergency Response...3 credit hours
Prerequisites: Natural Science 150 and 2 outdoor activity classes
Wilderness Emergency Response addresses emergency management situations such as patient assessment, likely wilderness medical scenarios, CPR, first aid kits, transport equipment, and the outdoor professional's role in emergency situations and search and rescue management. Course includes identifying, processing, and avoiding hazards as well as field practice.

321. Physical Education and Recreation for Special Populations.....3 credit hours
Prerequisites: Psychology 101 and 218 and PHR 231
Designed to provide a basic understanding of various handicapping conditions and the opportunity to master adapting physical education and recreation programs for exceptional children.

331. Physical Education for Children...2 credit hours
Prerequisite: Junior standing
An examination of the cognitive, affective, and psychomotor goals of physical education. Designed to develop an understanding of activities appropriate for elementary school-age children, such as physical fitness, rhythmic movement, gymnastics, games, and sports. Includes study of instructional methods and development of the ability to implement instruction appropriate to developmental level.

332. Kinesiology.....3 credit hours
Prerequisite or co-requisite: Biology 217 or 218
A study of human movement from anatomical and mechanical perspectives to include equilibrium, force, motion, leverage and fluid mechanics.

334. Administration and Supervision of Physical Education Programs.....2 credit hours
Prerequisites: PHR 102 and 231
Study will focus on the role of management in physical education programs from kindergarten through the 12th grade; the ability to design, procure, and use facilities and equipment effectively and safely. The relationship of physical education to the total school program and legal responsibilities of a physical education teacher are included.

335. Outdoor Recreation Leadership...3 credit hours
Prerequisites: PHR 102 and 2 outdoor activity classes
The study of outdoor recreation leadership skills, activity, and safety specific to the out-of-doors. The historical background, legal issues, and environmental impact of outdoor recreational activities are considered. Field experience is included.

336. Community Health.....3 credit hours
Prerequisites: PHR 101, 236 and 237
Focuses on assessment and identification of community health needs and referral and coordination of community health services. The course includes application to problems related to mental, environmental and physical health as well as those associated with broader social issues.

337. Internship in Physical Education or Outdoor Recreation.....7 to 15 credit hours
Practical off-campus experience in a field setting. One credit hour is associated with each week of full-time employment.

341. Measurement and Evaluation in Physical Education.....3 credit hours
Prerequisites: Math 120, PHR 102 and 231
Study directed toward the administration and interpretation of basic statistical procedures related to designing appropriate fitness programs and understanding health and sport related components of physical fitness.

343. Practicum.....2 to 6 credit hours
Prerequisite: Junior standing
Practical experience in appropriate settings enabling students to apply methods, skills and techniques learned in the classroom to field settings. The portions of the practica required of outdoor recreation majors must be set in the Mountain Challenge program.

345. Physiology of Exercise.....3 credit hours
Prerequisites or co-requisites: Biology 217 or 218, PHR 102 and 231
Study of the physiological principles related to exercise and human movement to include health and sport related components of physical fitness.

346. Physical Education in Games, Sports and Activities.....3 credit hours
Prerequisites: PHR 231 and 102
This course is designed to provide an understanding of rules, strategies, and the sports-related fitness and other skills necessary to engage in lifetime activities and games/sports. Various methods to evaluate individual progress are included. Practical sessions are a part of this course.

347. Professional Seminar.....1 credit hour
Prerequisite: Junior standing
Issues of professional development and current trends will be examined. Investigation of senior thesis methods, topics and requirements. Also to include researching internship sites, resume development and the interview process.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing and PHR 341
The Senior Study requirement is fulfilled with this two-course sequence. Individual study or project designed by the student under the guidance of a faculty supervisor. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

ACTIVITY COURSES

The following courses are open as electives to all students, without regard to major field. Each course carries a value of one credit hour.

I. MOUNTAIN CHALLENGE

125-126-127* Mountain Challenge
Mountain Challenge courses consist of five different experiences, which must be completed before one (1) credit hour is awarded. A maximum of three (3) credit hours may be obtained to fulfill the Maryville College experiential education requirement. The courses are supervised by the Mountain Challenge Director. Contact the Mountain Challenge Office (865-981-8125) at the Crawford House for more information. The following are possible Mountain Challenge experiences to select from:

Alpine Tower | Back Packing/Hiking | Bicycle Trips | Canoeing/Kayaking | Caving
Rock Climbing/Rappelling | Climbing Wall | Ground Belay | Map and Compass | Ropes Course

II. ENDURANCE AND FITNESS TRACK:

PHR 104 – Aquatic Exercise and Fitness

PHR 107 – Paddling I*

PHR 108 – Paddling II* (Prerequisite: PHR 107)

PHR 109 – Paddling III* (Prerequisite: PHR 108)

PHR 139 – Aerobics

PHR 142 – Personal Fitness

PHR 168 – Weight Training and Conditioning

PHR 174 – Orienteering*

PHR 179 – Lifeguard Training (2 credit hours)

PHR 188 – Rock Climbing I*

PHR 189 – Rock Climbing II* (Prerequisite: PHR 188)

PHR 191 – Karate I

PHR 193 – Karate II

PHR 195 – Karate III

III. LIFETIME ACTIVITY TRACK:

PHR 106 – Aquatic Education*

PHR 121 – Social Dance

PHR 141 – Archery*

PHR 147 – Bowling

PHR 153 – Golf

PHR 163 – Racquetball

PHR 166 – Tennis

PHR 172 – Camping and Outdoor Education*

PHR 176 – Fly Fishing

PHR 177 – Community CPR and First Aid

PHR 192 – T'ai Chi Ch'uan I

PHR 194 – T'ai Chi Ch'uan II

PHR 196 – T'ai Chi Ch'uan III

PHR 198 – T'ai Chi Ch'uan IV

** Fulfills Major in Outdoor Recreation activity course requirement.*

Physics

Associate Professor W. Benjamin Cash, Chair, Division of Natural Sciences

The curriculum in chemical physics affords the student sound training in the principles and techniques of modern physical-chemical theory and experimentation. The program integrates laboratory, theoretical, and research skills to provide the range of abilities needed by the practicing professional in highly interdisciplinary applications. Opportunity for research through the Oak Ridge Associated Universities and National Laboratories such as Argonne, Brookhaven, Los Alamos, and Oak Ridge complement the curriculum.

The Major in Chemical Physics provides an interdisciplinary curriculum for students planning careers in physics having a strong chemical emphasis. With careful elective choice students may pursue professional careers in industry or enter graduate school programs that lead to a variety of research-oriented careers in private or government laboratories and agencies. The **Major in Chemical Physics** consists of 52 hours in physics, chemistry and related fields and provides an interdisciplinary curriculum for students planning careers in physics having strong chemical emphases. Required coursework includes Physics 201, 202, 271, 301, 351, and 352; Chemistry 121, 122, 381, 391, 399, and 425; and Mathematics 125, 225, 232, and 236. Specific requirements of particular post-graduate institutions should be ascertained early in the undergraduate program since they may require courses for admission beyond the minimum required for the chemical physics major.

The **Minor in Physics** consists of a minimum of 27 hours, including Physics 201, 202, 271, 301; at least one additional physics course at the 300 level or above; Biology 299 or Chemistry 399; and Mathematics 125, 225.

101. College Physics I.....4 credit hours
Prerequisite: Mathematics 115 or equivalent
An algebra-based introduction to physics for majors in the life sciences. The area explored is classical mechanics. Topics include: translational and rotational motion of particles and rigid bodies; Newton's laws of motion; conservation laws; energy and work; equilibrium; gravitational forces and fields; harmonic motion and oscillation; and wave motion. Computer-based laboratory work seeks to demonstrate the validity of theoretical descriptions and impart a deeper understanding of physical phenomena and associated concepts.

102. College Physics II.....4 credit hours
Prerequisite: Physics 101
Continuation of Physics 101. The areas explored are thermodynamics, electricity & magnetism, wave motion, and geometrical optics. Topics include: temperature; heat, pressure, kinetic energy of gases; the laws of thermodynamics; Carnot cycle; entropy; electric and magnetic forces and fields; electric potential and potential energy; capacitance, resistance and current; Maxwell's equations; reflection and refraction of light; ray approximation for geometrical optics; and interference, diffraction and polarization of light.

Computer-based laboratory work seeks to demonstrate the validity of theoretical descriptions and impart a deeper understanding of physical phenomena and associated concepts.

201. General Physics I.....4 credit hours
Pre or co-requisite: Mathematics 225
A calculus-based introduction to physics for majors in the physical sciences, mathematics and engineering. The area explored is classical mechanics. Topics include: translational and rotational motion of particles and rigid bodies; Newton's laws of motion; conservation laws; energy and work; equilibrium; gravitational forces and fields; harmonic motion and oscillation; and wave motion. Computer-based laboratory work seeks to demonstrate the validity of theoretical descriptions and to impart a deeper understanding of physical phenomena and associated concepts.

202. General Physics II.....4 credit hours
Prerequisite: Physics 201
Continuation of Physics 201. The areas explored are thermodynamics, electricity & magnetism, wave motion, and geometrical optics. Topics include: temperature; heat; pressure, kinetic energy of gases; the laws of thermodynamics; Carnot cycle; entropy; electric and magnetic forces and fields; electric potential and potential energy; capacitance, resistance and current; Maxwell's equations; reflection and refraction of light; ray approximation for geometrical optics; and interference, diffraction and polarization of light. Computer-based laboratory work seeks to demonstrate the validity of theoretical descriptions and to impart a deeper understanding of physical phenomena and associated concepts.

271. Modern Physics.....4 credit hours
Prerequisite: Physics 202
Introductions to the theories and supporting experimental evidence of selected topics in modern physics. Topics include: special relativity; relativistic mass, momentum, and energy; general relativity, warping of space-time, and black holes; particle-wave duality; uncertainty principle; atomic structure; quantum theory and atomic/molecular spectra; lasers; Schrodinger's equation; eigenvalues, eigenfunctions and expectation values; nuclear forces; radioactivity, nuclear fission and fusion; and nuclear reactors. Laboratory work involves experiments that explore the quantum nature of matter and energy.

272. Modern Physics.....3 credit hours
Prerequisite: Physics 202
Identical to Physics 271, except without the laboratory.

301. Analytical Mechanics.....3 credit hours
Prerequisite: Physics 201
Newtonian dynamics applied to single and many-particle systems as well as to two- and three-dimensional rigid bodies. Topics include: harmonic motion; nonlinear oscillators; the Coriolis force; motion due to a central force; Kepler's laws of planetary motion; scattering; gyroscopes; and equilibrium and stability. Variational and Lagrangian mechanics are also introduced.

337. Internship in Chemical Physics...7 to 15 credit hours
Prerequisites: At least 2.8 GPA in major/related courses, junior or senior standing and division approval
Practical off campus experiences that apply methodologies and techniques of the physico-chemical sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each week of full-time employment.

343. Practicum in Chemical Physics...2 to 6 credit hours
Prerequisites: At least 2.8 GPA in major/related courses, junior or senior standing and division approval
Practical experiences, either on or off campus, that apply methodologies and techniques of the physical-chemical sciences in actual work settings in academic institutions, government laboratories or agencies, or private companies and organizations. One credit hour is associated with each three hours of work every week for a 14-week semester.

349. Topics in Physics.....1 to 4 credit hours
Prerequisites: Physics 202, and junior or senior standing, or permission of the instructor
Seminars and laboratories involving the detailed study of advanced topics in physics not encountered in other coursework. Potential topics include optics, quantum mechanics, thermodynamics and statistical mechanics.

351-352. Senior Research Project.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing, at least 11 hours in physics and 9 hours in chemistry
The Senior Study requirement is fulfilled with this two-course sequence. Students develop a research proposal in an area of interest, complete independent research under the supervision of a faculty mentor, and present their findings in a formal thesis and seminar.

371. Electricity & Magnetism.....3 credit hours
Prerequisite: Physics 202
Electromagnetic theory as formulated in Maxwell's equations is applied to charged particles, and vector analysis is used extensively. Topics include: electric forces and fields; electric potential; boundary conditions and uniqueness theorems; electric susceptibility, permitivity and dielectrics; magnetic forces and fields; magnetic vector potential; magnetization; and magnetic susceptibility and permeability.

Political Science

Associate Professor Barbara Wells, Chair, Division of Social Sciences

Political science is concerned with the analysis of political processes and institutions. The Major in Political Science helps the student prepare for several fields of endeavor including law, public administration, diplomatic service, teaching, journalism and business.

The **Major in Political Science** requires 46 hours in the principal and related fields. Required courses are Political Science 121, 122, 211, 212, 232, 306, 311 or 312, 321 or 322, 345 or 349, 351-352, Economics 201, Mathematics 221 or 222, Social Science 301, and one course from Psychology 101, Sociology 101 or 211.

The **Major in Political Science/History for Teacher Licensure** leads to licensure in political science with a secondary emphasis in history. The track requires 39 hours. Courses required in political science are 121, 122, 211, 212, 321, 322, 351 and 352; courses required in history are 112, 203, 242, 251 and three hours chosen from 333, 334, and 335. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 credit hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

The **Minor in Political Science** consists of 15 hours, including 121, 122, 211 or 212, and six additional hours in political science.

121. Contemporary Political Issues.....3 credit hours
Attention to major political issues of the day. Emphasis on learning basic political processes. Consideration given to the origins, consequences, and possible solutions of the problems under consideration.

122. American Government and Politics...3 credit hours
Introduction to the government and politics of the American national political system. Attention is given to the historical and philosophical setting, the formal governmental structure, and the behavioral bases of the American polity.

211. Comparative Government and Politics.....3 credit hours
Prerequisite: Sophomore standing
Study of political systems of selected countries. Illustration of major polity types, such as Western and non-Western, democratic and authoritarian, developed and less-developed. Examinations of political cultures, institutions, processes, and current political problems.

212. International Politics.....3 credit hours
Prerequisite: Sophomore standing
Study of the scope and methods of international politics. Emphasis on the underlying principles governing international relations and the major techniques for the implementation of foreign policies.

232. Public Policy.....3 credit hours
Prerequisite: Sophomore standing
Consideration of social, cultural, historical, political, behavioral, and structural aspects of the public policy process. Particular attention is given to the character of decision-making.

306. Political Philosophy.....3 credit hours
Prerequisite: Political Science 121 or 122 or permission of the instructor
Thematic and/or chronological consideration of perennial issues in political science, such as liberty, justice, political obligation, and political authority. Philosophical approaches to the understanding of politics are also examined.

311. Government and Politics of East Asia.....3 credit hours
Prerequisite: Political Science 121 or permission of instructor
Comparative study of political background and governmental systems of China, Japan, and Korea with emphasis on traditional and contemporary political behavior, ideas, and institutions.

312. Comparative Foreign Policy.....3 credit hours
Prerequisite: Political Science 122 or permission of instructor
Comparative analysis of foreign policy processes and issues of selected nation-politics.

321. American Political Process.....3 credit hours
Prerequisite: Political Science 122 or permission of instructor
American political and governmental institutions and processes: public opinion, interest groups, political parties, Congress, and the presidency.

322. The Judicial Process.....3 credit hours
Prerequisite: Political Science 122 or permission of instructor
Consideration of the role of the federal judiciary in the American political process. Approaches include case laws and social science research. Topics covered include political power of the judiciary, judicial recruitment, scope of government power, and civil liberties.

337. Internship in Political Science.....7 to 15 credit hours
Prerequisites: Junior standing and permission of the Division of Social Sciences Chair
Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time employment.

343. Practicum in Political Science...2 to 6 credit hours
Prerequisites: Junior standing and permission of Political Science faculty
Practical experience enabling students to apply classroom knowledge in an organizational setting. Open only to political science majors. One credit hour is associated with each three hours of work every week for a 14-week semester.

345. Environmental Politics.....3 credit hours
Prerequisites: Junior standing and Political Science 232
This course will examine the history, actors and issues in world and American environmental policy making. Comparison of theories of environmentalism (conservation, sustainable development, deep ecology). Investigation of structure and actors making environmental policy. Survey of current global/eco-systemic issues in environmental policy (air, sea/water, energy and waste, land). Special emphasis on Tennessee and East Tennessee issues, such as radioactive waste, acid rain in the Smokies and Appalachians, and Tellico Dam.

349. Selected Topics in Political Science.....3 credit hours
Prerequisite: Six hours in political science or permission of the instructor
Examination of topics in political science. Topics vary depending on interests of faculty and students. Offered as demand warrants.

351-352. Senior Thesis.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, and junior standing
The Senior Study requirement is fulfilled with this two-course sequence. Individual study, with the guidance of a faculty supervisor, that provides experience in independent research and the preparation of a formal paper.

Psychology

Professor Lori Schmied, Chair, Division of Behavioral Sciences

Psychology is concerned with the scientific study of behavior and mental processes. The Major in Psychology provides the student a broad curricular experience in psychology as preparation for graduate school. For students who do not plan to go beyond the B.A. degree, the psychology curriculum is useful preparation for any career in which the understanding of individual and group behavior would be beneficial.

The **Major in Psychology** requires 46 credit hours with 36 hours in major courses and 10 hours in related areas. Required are 101, 299, 312, 344, 351-352, and 18 additional hours in psychology electives, at least 6 hours of which must be at the 300 or 400 level. Psychology electives must include 3 hours from each of four domains: Cognitive (306, 314, 315, 327), Developmental (211, 218, 222, 306, 334), Social (221, 224, 301), and Clinical (301, 331, 333). Note that some courses fall into multiple domains but may be counted toward fulfilling the requirement for only one domain. The 10 hours in related courses include Biology 113, Mathematics 221, and either Sociology 101 or 211. A double major in Psychology and Child Development and Learning is not permitted.

The **Major in Child Development and Learning** is designed for students who plan to work with children in a variety of settings or enter a graduate program in Child Development and consists of 44 credit hours, 32 credit hours in psychology and 12 hours in related fields. Required are Psychology 101, 211, 218, 299, 306, 315, 331 or 333, 334, and 351-352, and 3 additional hours in psychology. Related courses are PHR 236 and 331, Sociology 215, and Business 201. The Standard First Aid and Community CPR certifications as offered by the American Red Cross are required for graduation in this major.

The **Major in Child Development and Learning for Teacher Licensure** is designed for students who plan to teach in the elementary grades and consists of 42 credit hours, 29 credit hours in psychology and 13 credit hours in related fields. Required are Psychology 101, 211, 218, 299, 306, 315, 334, 351-352, and 3 additional credit hours in psychology. Related courses are PHR 236 and 331, Sociology 215, and Mathematics 307 and 308. Additional liberal studies are English 212; History 111, 112, or 203; Sociology 271, and Biology 311. Students pursuing this major must complete 26 hours of professional courses in teacher education. The professional courses are listed under Education in this catalog. A physical science must be taken for the Science 150 general education requirement, and Fine Arts 340 must be taken for the Fine Arts general education requirement. Standard First Aid and Community CPR certifications as offered by the American Red Cross are required for graduation in this major.

The **Minor in Psychology** consists of 15 hours in psychology with no fewer than two 300-level courses. The Minor in Psychology is not open to students majoring in Child Development and Learning.

CHILD LIFE SPECIALIST CERTIFICATION

The Major in Child Development and Learning or the Major in Psychology provides preparation for certification as a Child Life Specialist. Certification through the national Child Life Council is obtained by completing a major in Child Development and Learning or Psychology that includes a relevant practicum, an internship under the supervision of certified Child Life Specialists and passing the Child Life Professional Certification Examination. Careful planning of one's degree program is necessary and internship placements are competitive.

101. Introductory Psychology.....3 credit hours
Fundamental principles of human behavior. Attention to the aims, methods, and ethics of psychology and other topics including motivation, emotion, learning and cognition, perception, personality, and behavior disorders. Relating psychological principles to individual and social experience as well as other disciplines is a basic objective of this course.

211. Child Development.....3 credit hours
Prerequisite: Psychology 101
Growth and development of the child from birth to adolescence. Physical, cognitive, moral, social, and emotional aspects of growth are considered as they relate to various stages of development. Field observation study of children is required.

218. Psychology of Adolescence.....3 credit hours
Prerequisites: Psychology 101 and sophomore standing
Growth and development of the adolescent from puberty to 21. Physical, cognitive, social, moral, and emotional development are examined. The organization of appropriate educational environments, including educational tests and measurement, both formal and informal, and their interpretation are considered. Field observation study of middle school age children is required.

221. Social Psychology.....3 credit hours
Prerequisite: Psychology 101
Examination of ways in which human affect, cognition, and behavior are influenced by other individuals or groups. Impression management, self concept, attitudes, persuasion, attraction, helping behavior, aggression, stereotyping and prejudice, and conformity are among the topics studied.

222. Adult Development and Aging.....3 credit hours
Prerequisite: Psychology 101
Development of adults from young adulthood through the rest of the lifespan. Psychological, cognitive, social, emotional, and physical aspects of aging are considered as they relate to adult development. Field observation of older adults is required.

224. Cross-Cultural Psychology..... 3 credit hours
Prerequisite: Psychology 101
A selection of the theoretical, empirical, and applied issues in cross-cultural study of human behavior that examines how and why behavior differs across cultures. Understanding of culture, cultural differences, and the ways that sociocultural context influences the thinking and social behavior of individuals. Emphasis is placed on empirical methods in cross-cultural psychology to achieve an appreciation of cultural groups both within and outside the United States.

299. Contemporary and Professional Issues in Psychology.....2 credit hours
Prerequisites: Major in Psychology or Child Development and Learning, Psychology 101
This is a course for new majors to examine contemporary and professional issues in Psychology and Child Development. Students will explore their vocational goals through a variety of methods, including an exploration of the senior study experience and a variety of guest speakers from different disciplines within psychology and child development. There is also a focus on providing a foundation of basic APA and research skills, including an introduction to research methods and design, which are important in both majors.

301. Theories of Personality.....3 credit hours
Prerequisites: Psychology 101 and junior standing
An examination of the major theoretical approaches to personality and their application in the field of psychology. Personality tests and their interpretation and connection to theory are also examined.

306. Language Development.....3 credit hours
Prerequisites: Psychology 101 and 211
Principles of receptive and expressive language development related to basic components of phonology, syntax, semantics, and pragmatics. Current language models along with psycholinguistic and sociolinguistic studies which relate to language development are explored. Emphasis is given to the importance of language development in the acquisition of reading and writing skills. Field experience is included.

312. Experimental Psychology.....4 credit hours
Prerequisites: Psychology 101 and Mathematics 221
Methodological approach to psychological investigation. Although the course concentrates on methodology and the writing of research reports, attention is directed to such content areas as the history of experimental psychology, ethics in research, and application of psychological principles. Laboratory practice.

314. Cognitive Psychology.....4 credit hours
Prerequisites: Psychology 101 and 312
Examination of theories and research in cognition. Explores nature of human thought processes including topics on perception, attention, memory, language, problem-solving, and reasoning. Laboratory practice.

315. Human Thought and Learning...3 credit hours
Prerequisites: Psychology 101 and 218
Examinations of human learning from behavioral, cognitive, and neuropsychological perspectives, with attention to the practical applications of learning theory in educational settings.

327. Sensation and Perception.....3 credit hours
Prerequisite: Psychology 101
An examination of the physiological and psychological bases of sensation and perception. Topics include color vision, perception of movement, size and distance, pitch perception, taste, and touch. Includes lectures, discussion, and in-class demonstration.

331. Abnormal Psychology.....3 credit hours
Prerequisite: Psychology 101
A psychological approach to the causes, symptoms, treatment, and prevention of abnormal behavior. Attention to the various perspectives of abnormal behavior, assessment and classification.

333. Counseling.....3 credit hours
Prerequisite: Psychology 101
Examination of the major theories and techniques of counseling. Research concerning common factors, counseling effectiveness, and other current issues will be explored. Ethics, various models of professional training, and the variety of work environments will also be covered.

334. Culturally Diverse and Exceptional Children.....3 credit hours
Prerequisites: Psychology 101, 211 or 218, and junior standing
An introduction to the study of exceptional and culturally diverse children, emphasizing the role of families, teachers, schools, and society. The scope of educational programs for exceptional children including identification, assessment, individualized programs, and intervention are reviewed. Field observation study is required.

337. Internship in Psychology....9 to 15 credit hours
Prerequisites: Junior standing and two Psychology courses at the 300-level or permission of the instructor
Supervised field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit

allotted on the basis of one credit hour for each week of full-time involvement. Not to be counted toward a major in psychology.

343. Practicum in Psychology.....2 to 6 credit hours
Prerequisites: Junior standing and permission of the Division of Behavioral Sciences Chair
Supervised practical experience during the junior or senior year that enables students to apply classroom knowledge in a community and/or research setting. Only three credit hours may be applied toward a major in psychology or child development.

344. Biopsychology.....3 credit hours
Prerequisites: Psychology 101 and Biology 113
Study of the nervous system and biological bases of behaviors. Topics include neuroanatomy, neurophysiology, emotions, sleep, stress, motivation, and drugs.

349. Seminar.....3 credit hours
Prerequisites: Psychology 101 and junior standing
Selected topics in psychology course content varies from year to year. Previous topics include evolutionary psychology, drugs and behavior, and child psychopathology.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, and junior standing
The Senior Study requirement is fulfilled with this two-course sequence. Independent study with the guidance of a faculty supervisor involving laboratory, field, or archival research and an APA-style scientific paper reporting the results.

401. History and Systems of Psychology.....3 credit hours
Prerequisites: Junior standing and 12 credit hours in Psychology
History of psychological thought from ancient Greek philosophers to twenty-first century psychologists is explored. The emergence of the various systems and their comparison on classical problems are also examined. Analysis of primary source material is a key feature of the course.

Religion

Professor Susan Schneibel, Chair, Division of Humanities

The study of religion considers religions as both expressions of the most fundamental human questions and as the products of historical forces. A broad study of religion encompasses theology as well as history, literature and the arts, social institutions, and cross-cultural comparisons. The **Major in Religion** consists of 43 hours in religion and related areas. Required courses are Religion 212, 228, 344, 348, 351, 352; Humanities 201 and 347; one course chosen from Religion 209, 211 and 325; and one course chosen from Religion 326 and 346; two courses chosen from Philosophy 326, 329, and 348. Also required is one related course chosen from History 242, 243 and Philosophy 211. The 3 hours in biblical studies taken to fulfill the general education requirement may not be included in the major, but the student may count the second 100-level biblical studies course toward the major. Additional coursework to satisfy the 43-hour requirement is selected from courses in Religion.

The **Minor in Religion** consists of 15 hours in religion, beyond the course taken to fulfill the general education requirement, including not more than one 100-level course and no fewer than two 300-level courses.

209. Religion in the Southern Appalachians.....3 credit hours
A study of Appalachian mountain religion in its historical and cultural context. Appalachian denominations are examined to determine how they have developed into distinct forms of American Protestantism by analyzing southern Appalachian religious music, preacher rhetoric, and unique worship practices.

211. The American Religious Experience...3 credit hours
An introduction to religious studies which employs the American religious experience as its model.

212. World Religions.....3 credit hours
Co-requisite: FRS 140
Religion as a universal human phenomenon. Each offering of the course will examine several religious traditions such as Islam, Judaism, Hinduism, Taoism, Buddhism, and Christianity, as well as primitive religion.

228. Introduction to Christian Theology.....3 credit hours
An examination of reflective thinking on basic Christian beliefs and practices. No experience in theology is required.

325. Sociology of Religion.....3 credit hours
Prerequisites: Sociology 101, Social Science 260, or permission of the instructor
A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religion and social change, cross-cultural comparisons.

326. Contemporary Theology.....3 credit hours
Prerequisite: Any religion course or junior standing
An examination of 20th century Christian thought, with special emphasis on current issues, approaches, and major thinkers. Attention is given to the social, political, and historical context of contemporary theology.

343. Practicum in Religion.....2 to 6 credit hours
An on- or off-campus experience that provides an introduction to careers in religion, enhances understanding of the role of religion in human culture, or applies knowledge gained through the study of religion. Involvement is expected to be at least three hours of activity per week during the semester for each credit hour given.

344. Explorations in Biblical Studies...3 credit hours
Prerequisite: Biblical Studies 130 or 140
Topics will vary. The course provides an opportunity for students to do advanced study in the Old Testament world and culture or the New Testament world and culture with the topic to alternate between the two. Possible topics include Old Testament Prophets, the Letters of Paul, Old Testament Apocrypha, Christian Apocrypha, and the Covenant Formula in the Old Testament.

346. Explorations in Christian Thought and Culture.....3 credit hours
Prerequisite: Any religion course or junior standing
Topics will vary. An examination of Christian theology and its relationship to culture through art, the work of significant theologians, an historical period, or a theological theme.

348. Explorations in the History of Religions.....3 credit hours
Prerequisite: Any religion course or junior standing
Topics will vary. A study of one or more of the world's religious traditions or a comparative study of a theme or themes in more than one tradition.

349. Selected Topics in Religion.....3 credit hours
Prerequisite: Junior standing
Course content varies from year to year to meet the special interests, abilities, and needs of advanced students.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing and Humanities 347
The Senior Study requirement is fulfilled with this two-course sequence. The courses involve individual study with the guidance of a faculty supervisor. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

Sign Language/Interpreting

Associate Professor Margaret Maher, Coordinator

The Major in Sign Language Interpreting prepares students to work as professional interpreters and transliterators with Deaf and with hard-of-hearing persons in a variety of situations. While American Sign Language serves as a foundation, several other modes of communication used by the Deaf community are introduced as well. Audio-visual materials are accessible for individual study of a broad cross-section of communication methods. Interactions with Deaf and hard-of-hearing persons and regular practice using videotaping equipment are principal means for the development of skills. The curriculum prepares students to interpret between spoken English and American Sign Language and to transliterate between conceptually accurate signed English and spoken English. Success in American Sign Language (ASL) and Deaf Studies or Sign Language Interpreting requires being able to perceive signers' faces, hand movements and body movements and being able to convey and receive ASL through these channels quickly at the natural pace of language. Also essential are ability to perceive and process visual information and eye-hand coordination that allow effective communication. A good foundation in basic ASL is critical to advancing successfully in the ASL and Deaf Studies major as well as the Sign Language Interpreting major. Sign Language Interpreting majors require good auditory perceptual skills as well as good visual skills when working between auditory and signed communications quickly and in real time. One exception is that Deaf people who want to become Deaf interpreters are encouraged to apply to the Sign Language Interpreting program. Such interpreters are often intermediary interpreters who work between signed communications.

The **Major in Sign Language Interpreting** requires 48 hours with 39 hours beyond the first year ASL 110 and 120 courses in the major and nine hours in related courses. Major courses which are required are ASL 203, SLI 215, 301, 302, 303, ASL 307, SLI 311, 321, 337, and one course from ASL 204, 305, or 331, and 351-52. Required related courses are Psychology 101 and Social Science 301. Sociology 211 and 215 are strongly recommended. A supervised internship in an approved off-campus agency is an essential part of the major program. Internships and practicum requirements, limited class enrollments, and the necessity of offering some classes in alternate years, demand very careful planning by students majoring in American Sign Language and Sign Language Interpreting. Major paradigms and alternate year offerings are available from major advisers.

215. Translation and Interpreting Readiness.....3 credit hours
Prerequisite: American Sign Language 203 or permission of the instructor
This course provides necessary transition from sign communication to interpretation between ASL and English. Course content includes written, spoken, and signed translation exercises. Outside study consists of individual and group assignments, laboratory skills taping, finger spelling and numbers practice, and English vocabulary and syntax development. Students learn and use the interpreting mental process models and work between ASL and spoken English from the sentence level to short discourse texts.

301. Introduction to Interpreting.....3 credit hours
Prerequisite: American Sign Language 203 or permission of the instructor
A survey of the major areas of the interpreting profession, philosophical frames, service models, cross-cultural mediation, the code of ethics, and interpreting techniques. A knowledge-based rather than an interpreting skills-based course.

302-303. Interpreting Skills I and II...3 credit hours each
Prerequisite: Interpreting 215
The first course emphasizes developing skills with prepared interpreting and transliterating using audio and video media. The second course progresses to spontaneous interpreting and transliterating skill development. Expressive and receptive skills are developed in both courses. Study for the courses consists of group and pair skills practice as well as interpreting practice and receptive and expressive taping in the laboratory.

307. History and Culture of the American Deaf Community.....3 credit hours
Prerequisite: Junior standing or permission of the instructor
The history of Deaf people in the Western world, with

emphasis on the American Deaf community and the status of Deaf people as both a linguistic and cultural minority. Designed for individuals who may or may not have had prior experience with Deaf people, the course raises questions concerning the nature of sign language and its various categories, the education of Deaf people, the historical treatment of deafness, and the sociological and cultural makeup of Deaf individuals.

311. Educational Interpreting.....3 credit hours
Prerequisite or co-requisite: Interpreting 301 or with permission of the instructor
This course surveys the educational setting, introduces processed conceptually accurate sign systems and other sign systems, outlines the history of the field, the impact of legislation, and as available provides educational interpreting observation and practice. Interpreting and transliteration skills labs consist of children's recordings and educational setting-related recorded texts.

321. Comparative Interpreting.....3 credit hours
Prerequisites: Junior standing and Interpreting 302
Specialized areas of interpreting covered include legal, medical/mental health, deaf-blind, and oral. Attention is given to the vocabulary peculiar to each area, through the use of guest lecturers, taped materials, skills laboratories, and visits to off-campus sites.

337. Internship.....9 to 15 credit hours
Prerequisite: Interpreting 303
A practical experience in an approved facility under the supervision of an interpreter certified by the National Registry of Interpreters for the Deaf or through NAD-RID. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum.....3 credit hours
Practical experience in a professional environment with supervision by an agency staff person approved by department faculty. One credit hour is associated with each three hours of work every week for a 14-week semester.

349. Seminar.....3 credit hours
Selected topics in deaf studies/interpreting. Offered as demand warrants.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing and Social Science 301
The Senior Study requirement is fulfilled with this two-course sequence. Independent study with the guidance of a faculty supervisor, with an emphasis on skills-based projects.

Social Sciences: Interdisciplinary Courses

Associate Professor Barbara Wells, Chair, Division of Social Sciences

201. Contemporary Global Issues.....3 credit hours
Prerequisite: Sophomore standing
An interdisciplinary course comparing culture, history, geography, and institutions of various countries in the context of globalization. The course is a prerequisite to overseas study for students majoring in International Business or International Studies who intend to take academic courses for Maryville College credit in another country.

203. Introduction to Nonprofit Management.....3 credit hours
Prerequisite: Sophomore standing
An examination of the basic principles and processes of nonprofit management. Topics include board/committee development, recruitment, planning, marketing, risk management, budget management, fundraising and philanthropy.

301. Social Sciences Research Methods.....3 credit hours
Prerequisites: Statistics 120 and junior standing
The philosophy and methodology of the social sciences. Emphasis is on the philosophical underpinnings, basic research design, forms of data gathering and the analysis, presentation, and interpretation of data. Individual students research projects related to various social science disciplines.

Sociology

Associate Professor Barbara Wells, Chair, Division of Social Sciences

Sociology deals with social relationships, the structure of society, and the variety of human cultures. The Major in Sociology prepares students for endeavors such as teaching, research, human services, and community organization. The Minor in Sociology provides a useful supplement to majors in a variety of academic fields.

The **Major in Sociology** requires 45/46 credit hours: 33 in sociology and 12/13 credit hours in related areas. Required are Sociology 101, 211, 351-352 and 401. In addition the student must choose 9 hours from Sociology 202, 215, 221, 222, and 271, and 9 hours from Sociology 305, 315, 316, 325, and 349. Required related courses are Math 221, Social Science 301, Psychology 101, and one course chosen from Economics 201 and 221 or Political Science 211 and 232.

The **Minor in Sociology** consists of a minimum of 15 credit hours, including 12 hours above the 100 level. The minor must include Sociology 101 or 211 or both; additional hours may be drawn from 202, 215, 221, 222, 271, 305, 315, 316, 325, 349, 401, and Social Science 301.

101. Introductory Sociology.....3 credit hours
Study of the fundamental structure and dynamics of human societies and the basic principles and concepts used in sociology.

202. Social Problems.....3 credit hours
Analysis of social problems in the United States and other societies. Emphasis on social stratification, inequality, racial and ethnic relations, and deviant behavior.

211. Cultural Anthropology.....3 credit hours
An application of the concept of culture to various societies, from primitive to modern. Cross-cultural analysis of various institutions. Extensive use of ethnographies.

215. Sociology of Marriage and Family.....3 credit hours
A study of selected aspects of family structure and functions. Mate selection, family organization, sex roles, family breakdown, variant family forms, and demographic change. Analysis of the American family and comparative study drawing on other cultures.

221. Social Psychology.....3 credit hours
Prerequisite: Psychology 101
The study of interactions of individuals with the social environment. Attitudes, leadership, attraction, persuasion, aggression, group influence, and group dynamics are among the topics studied.

222. Sociology of Appalachian Culture...3 credit hours
The study of major social institutions, such as the economy, family, religion, education, and political institution in pre-industrial Appalachia, and the influence of industrialization producing social change. Social problems such as poverty, environmental pollution, and control of resources, and social action taken to ameliorate problems will be a focus. Experiential learning is an emphasis with required fieldwork.

271. Sociology of Education.....3 credit hours
A study of the structure and functioning of educational institutions and the relationships between education and other social institutions, and education in cross-cultural perspective. Attention to current issues.

305. Organizational Behavior.....3 credit hours
Prerequisites: Sociology 101 and junior standing
Analysis of complex organizations and bureaucracy. The goals, design, internal structure, and environmental relations of organizations. The focus is on the individual, the group and the organization as units of analysis.

315. Social Inequality.....3 credit hours
Prerequisites: Sociology 101 or permission of the instructor and junior standing
Race, social class, and gender are systems of inequality that shape culture and society. This course explores how these inequalities affect the experience of diverse groups in society. We examine inequalities of race, class, and gender as they relate to social institutions and key contemporary social issues.

316. Population.....3 credit hours
Prerequisites: Sociology 101 or 211 and junior standing
A study of human population, including population structure and the processes of fertility, mortality, and

migration. The course examines the impact of changing population, such as aging and urbanization, on social institutions and the environment. The course examines the role of population policy in achieving social and environmental goals.

325. Sociology of Religion.....3 credit hours
Prerequisites: Sociology 101, Social Science 260 or permission of the instructor
A study of religion and the social order. Religion as an integral part of human culture, the building of a sacred cosmos. Religion and social organization, civil religion, secularization, religion and social change, cross-cultural comparisons.

337. Internship in Sociology.....7 to 15 credit hours
Prerequisite: Junior standing and permission of the Division of Social Sciences Chair
Field experiences that provide practical applications in appropriate work settings. Internships require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

343. Practicum.....2 to 6 credit hours
Prerequisites: Junior standing and permission of the Division of Social Sciences Chair
Supervised experience during the junior or senior year in a human services, community organization or research setting. One credit hour is associated with each three hours of work every week for a 14-week semester. Not to be counted toward a major in sociology.

349. Selected Topics in Sociology and Anthropology.....3 credit hours
Prerequisite: At least one course in sociology
Selected topics in sociology or anthropology. Topics vary depending on interests of faculty and students. May be repeated for credit.

351-352. Senior Thesis.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing and Social Sciences 301
The Senior Study requirement is fulfilled with this two-course sequence. Individual study, with the guidance of a faculty supervisor, that provides experience in independent research and the preparation of a formal paper.

401. Social Theory.....3 credit hours
Prerequisites: Senior standing and nine hours in sociology, or permission of the instructor
An examination of classical and contemporary theories of the nature of society and human behavior. The course integrates materials from the various sub-disciplines and provides a theoretical and philosophical framework for the discipline.

Spanish

Professor Susan Schneibel, Chair, Division of Humanities

The **Major in Spanish** consists of 45 credit hours beyond elementary Spanish (110-120). Required courses include 201, 202, 225, 262, 351, 352, Humanities 201, and History 334. Also, two courses are chosen from Spanish 301, 302, and 312. In addition to completing the courses above, Spanish majors spend the second semester of their junior year abroad in an approved program in a Spanish-speaking country. During this semester abroad, 15 hours of Spanish at the 300/400-level are completed. Arrangements for study at foreign institutions are described under Study Abroad in this catalog.

The **Major in Spanish for Teacher Licensure** consists of 42 credit hours beyond elementary Spanish (110-120). Required courses include 201, 202, 225, 262, 351, 352, and History 334. Also, two courses are chosen from Spanish 301, 302, and 312. In addition to completing the courses above, Spanish majors for Teacher Licensure spend the second semester of their junior year abroad in an approved program in a Spanish-speaking country. During this semester abroad, 15 hours of Spanish at the 300/400-level are completed. Arrangements for study at foreign institutions are described under Study Abroad in this catalog. Additional liberal studies requirements are Psychology 101 and Sociology 271. Students pursuing this track must complete 29 credit hours of professional courses in teacher education. The professional courses are listed under Education in this catalog.

The **Minor in Spanish** consists of at least 15 credit hours in Spanish in courses above the 100-level. Spanish 201, 202, 225 and 262 are required.

110. Elementary Spanish I.....4 credit hours
An introduction to Spanish designed to give students the linguistic, cultural, and geographical background necessary to provide for their basic needs when they travel to a Spanish-speaking country. Emphasis is also given to conversing in basic Spanish within well-defined contexts, to reading short passages, and to writing simple sentences in Spanish. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions.

120. Elementary Spanish II.....4 credit hours
Prerequisite: Placement into the course or Spanish 110
A sequel to Spanish 110, designed to increase knowledge of the basic language, culture, and geography of the Hispanic world. Emphasis is also given to increasing students' capacity to converse, read, and write in Spanish. Cultural concepts, grammatical structures, and vocabulary introduced in class are reinforced in small-group language practice sessions.

201. Intermediate Spanish I.....3 credit hours
Prerequisite: Placement into the course or Spanish 120
A review and expansion of the grammar, culture, and vocabulary studied in elementary Spanish. Linguistic tasks studied include describing, narrating, and giving opinions and information on a variety of topics. Emphasis is also given to strengthening reading and writing skills through a study of authentic Hispanic literature, including both prose and poetry. Students learn to speak and write sentences of greater structural sophistication that are logically connected in paragraph-length discourse.

202. Intermediate Spanish II.....3 credit hours
Prerequisite: Placement into the eourse or Spanish 201
A sequel to Spanish 201, designed to increase students' mastery of advanced grammatical concepts and idioms. Through the study of authentic Hispanic literature including prose, poetry, and drama, students will be able to expand their active vocabulary and further develop reading and writing skills. Increased emphasis is placed on communicating in past, future, and hypothetical situations.

225. Intermediate Conversation and Composition.....3 credit hours
Prerequisite: Spanish 201 or the equivalent
Co-requisite: Spanish 202
A course designed to help students improve their oral and written proficiency in Spanish, building on grammar and idioms studied in previous courses. Basic conversational skills are stressed in order to prepare those students planning to study abroad during the junior year. Required for all students who plan to study abroad in a Spanish-speaking country.

262. Introduction to Literature in Spanish.....3 credit hours
Co-requisites: Spanish 202 and 225
Introduces students to literary terminology, genres and problems encountered in reading/translation, while systematically reviewing and refining language skills as encountered in Spanish literature.

301. Spanish Peninsular Literature to 1700.....3 credit hours
Prerequisites: Spanish 262
An introduction to masterpieces of early Spanish peninsular literature from the epic poem of the Cid through the literature of the Baroque. Students will examine works and literary trends such as the picaresque novel, mysticism, Golden Age poetry, the work of Cervantes, and the early Spanish theatre.

302. Spanish Peninsular Literature from 1800 to Present.....3 credit hours
Prerequisites: Spanish 262
This course will be divided into two segments. The first will focus on the 19th century literature, including literary movements such as Romanticism, Realism, Costumbrismo, and Naturalism. The second segment will be an introduction to the literature of the 20th century, beginning with the Generation of 1898 and ending with writers of the contemporary period.

312. Spanish American Literature of the 20th Century.....3 credit hours
Prerequisites: Spanish 262
The course examines major literary movements of Latin America after Modernism through the contemporary period. Special attention will be given to Realism, Naturalism, Criollismo, the experimental literature of the Vanguard period, the "Boom" period of the 1960s and 70s (including Magical Realism), and trends of contemporary writers.

343. Practicum.....3 credit hours
Prerequisite: Spanish 202
On- or off-campus experience that provides a linguistic and cultural opportunity for students who wish to acquire practical knowledge of Spanish beyond the intermediate level.

349. Selected Topics in Spanish.....3 credit hours
Prerequisite: Spanish 202
Concentrated study on a selected topic in Spanish literature, language, culture, or civilization. The topics may include the Spanish short story, business Spanish, Spanish phonetics and diction, or Latin American culture.

351-352. Senior Study.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing and Spanish 262
The Senior Study requirement is fulfilled with this two-course sequence. The courses involve individual study with the guidance of a faculty supervisor. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

Teaching English as a Second Language

Professor Susan Schneibel, Chair, Division of Humanities

Teaching English as a Second Language is offered as an initial endorsement teacher licensure program for teaching pre-kindergarten through twelfth grade. The major is interdisciplinary and also requires the equivalent of the completion of a foreign language minor. The **Major in Teaching English as a Second Language** requires 25 credit hours in major courses and a minimum of 15 credit hours equivalent to a minor in one of the following foreign languages: Spanish, French, German, or American Sign Language. Required courses are: English 219, 311, 312, and 351-352; Humanities 347; Psychology 211, 306; Sociology 211. Requirements for the mandatory foreign language minor may be found under Spanish, French, German, or American Sign Language. The minors in French and German require a period of study abroad. Also required are 31 credit hours in professional education courses as follows: Psychology 218 and 334; PHR 236; and Education 301, 302, 321, 343, 401, and 402. Student teaching involves a full semester, with experiences in teaching English as a second language at both the pre-K-6 and 7-12 settings. Additional liberal studies requirements are Psychology 101 and Sociology 271. Course listings may be found under the respective subject field headings.

Theatre

Associate Professor Mark Hall, Chair, Division of Fine Arts

The academic study of theatre serves the aspiring theatre professional or future graduate student through curricular programs for majors that provide experience in, the art, history, and literature of the theatre. The Theatre Studies major is designed to stress the intrinsic value of a broad study of theatre within the liberal arts tradition. The opportunity for individual expression, development and specialization in a specific area of interest (acting, directing, dramatic literature or theatre history) may be explored through production, Senior Study, Theatre Practicum, as well as additional work done via a minor in a related field (such as, but not limited to, Music, Art or English).

The **Major in Theatre Studies*** consists of 42 hours in a broad range of theatre classes and performance opportunities that include: Theatre 101, Theatre 204 (6 credit hours), 209, 211, 221, 222, 311, 314, 315, and 351-352. The additional 5 hours may be earned from any combination of the following: Theatre 204 (up to 2 more credit hours), 343, and 349; Applied Voice (up to 2 credits); Dance (up to 2 credits); PHR 192, 194, 196, 198: Tai Chi Ch'uan I, II, III, IV; ALT 241: Alexander Technique (up to 2 credits); or English 332. Optional credit in Music or English for a major in Theatre is not available to students wishing to major or minor in those fields, respectively. It is recommended, but not mandatory, that students majoring in Theatre take American Sign Language to meet their foreign language requirement.

The **Minor in Theatre Studies*** requires the completion of 18 hours, including Theatre 101 and Theatre 204 (4 credit hours), with the additional credit hours earned in any combination of the following courses: Theatre 204 (up to 4 more credits), 209, 211, 221, 222, 311, 314, 315 or 349.

*(*Note: Students who major or minor in Theatre Studies must fulfill their general education requirement in fine arts by taking Fine Arts 140 or 340 in one of the other arts disciplines, unless exempt because of a double arts major or major-minor.)*

101. Introduction to Theatre.....3 credit hours
An introduction to Theatre tailored to Theatre majors and minors, with particular attention given to creating a common vocabulary, emphasizing the collaborative nature of theatre, and introducing students to the techniques used when reading and analyzing dramatic literature from the theatre practitioner's perspective.

204. Theatre Production.....1 credit hour
Course credit given to any student who is cast or works in a major technical capacity for the semester's main stage, faculty-directed production. The designated class session is used for production meetings, but the work involved includes accepting assignments necessary to mount the production. Guidelines for accountability are set by the faculty director.

209. Play Analysis.....3 credit hours
Prerequisite: Fine Arts 140: Theatre
A course designed to help students understand the basic nature of dramatic literature by examining prominent dramatic theory, beginning with in-depth study of Aristotle's Poetics followed by a survey of dominant trends throughout theatre history, and to examine how playwrights have responded to current thinking in their period. Representative plays will be read and analyzed from the theatre practitioner's point of view. The course includes some study of contemporary methodology in the art of playwriting.

211. Stagecraft.....3 credit hours
An introduction to the six elements of stagecraft, which include design and execution of set, lighting, costumes and make-up, as well as theatre and stage management. Students will select two of these six areas for special concentration during the term. The course consists of both classroom study and applied stagecraft. The time and type of applied work are arranged with instructor.

221. Acting I:
Physical and Vocal Preparation.....3 credit hours
Prerequisite: Theatre 101
An introduction to the fundamentals of stage movement and vocal production for actors, focusing on the body as the primary vehicle for creative expression. Emphasis is on acquiring skills through problem-solving exercises, improvisational games, and mask works.

222. Acting II: Creating the Character...3 credit hours
Prerequisite: Theatre 221
An introduction to acting fundamentals and selected rehearsal and performance skills. Emphasis is on exploring the actor's relationship to the dramatic text, to the stage environment, and to the elements of the actor's instrument (body, voice, imagination).

311. Directing.....3 credit hours
Prerequisites: Theatre 204 (2 semesters minimum), 209 and 221
A study of the modern theatre director, directing techniques, styles and methodology. Emphasis is on current trends in directing, terminology, and practical experience in script analysis, production design, and actual direction of an extended scene or full one-act play for public performance.

314. Theatre History and Traditions...4 credit hours
Prerequisite: Junior standing or permission of the instructor
Traces the evolution of the theatre arts (stagecraft, acting and directing) with primary emphasis on the Western theatre tradition from its Greek origins to present-day. Included also is an overview of the development of dra-

matic art as well as exploration into other theatre traditions which may include Japanese Kabuki and Noh, African-American theatre, Latin theatre traditions, Women in theatre history, Native American drama, Indian Sanskrit drama or American musical theatre.

315. American Theatre History.....3 credit hours
Prerequisite: Junior standing or permission of the instructor
This course examines the development of American theatre from its professional beginnings in the 18th century to the present day. We will examine representative text of popular theatre (including American musical theatre), influential examples of American dramatic literature as well as study those theatre forms which did not put a premium on the written word: minstrel shows, vaudeville, and burlesque. This course is also concerned with the production history of the constantly evolving canon of American drama.

337. Internship.....7 to 15 credit hours
Prerequisites: Completion of a minimum 5 hours in Theatre coursework, or junior standing and permission of the instructor
Work in professional or semiprofessional Theatre, intensive training and/or workshops, or significant leadership in an on-campus theatrical activity (such as directing the Alpha Psi Omega annual production or supervising the Mission Players for one semester), under the supervision of a faculty member and subject to approval by the Chair of the Fine Arts Division.

343. Practicum in Theatre.....2 to 6 credit hours
Prerequisites: Completion of a minimum 5 hours in theatre coursework, or junior standing and permission of the instructor
Work in professional or semiprofessional Theatre, intensive training and/or workshops, or significant leadership in an on-campus theatrical activity (such as directing the Alpha Psi Omega annual production or supervising the Mission Players for one semester), under the supervision of a faculty member and subject to approval by the Chair of the Fine Arts Division.

349. Selected Topics in Theatre.....3 credit hours
Prerequisite: Permission of the instructor
Selected topics of study not included in the theatre curriculum, such as playwriting, broadcasting or children's theatre, or possibly advanced levels of acting or directing, such as performing Shakespeare or styles of directing. Topics change as demand and interest warrants.

351-352. Senior Project.....6 credit hours
Prerequisites: FRS 140, English Proficiency Exam, junior standing, and at least 12 hours in Theatre courses
The Senior Study requirement is fulfilled with this two-course sequence. The Senior Project involves individual research with the guidance of a faculty supervisor. Ordinarily taken in the spring term of the junior year and the fall term of the senior year.

Writing/Communication

Professor Susan Schneibel, Chair, Division of Humanities

The **Major in Writing/Communication** consists of 46 hours, including 42 hours in English and 4 hours in Humanities. Required courses are English 162, 216 (3 credits required), 217, 311, either 337 or 343, 351-352, and Humanities 201 and 347. Two courses are chosen from English 213, 214, 219, and two courses are chosen from English 314, 315, and 317. Students pursuing the internship option take 3 hours in English courses in literature ; students pursuing the practicum option take 9 hours in English courses in literature. All writing/communication majors are strongly encouraged to minor in an area that will give them a degree of expertise in a field other than English.

The **Minor in Writing/Communication** requires 15 hours in writing, including English 216 (3 credits required) and four courses chosen from English 213, 214, 217, 219, 314, 315, and 317.

Academic Procedures and Regulations

STUDENT RESPONSIBILITY

Each student is expected to be thoroughly familiar with the academic requirements of the College, as stated in the Catalog and the Student Handbook. The responsibility for meeting all requirements for graduation rests entirely upon the student. Faculty advisers, academic division chairs, the Registrar, the Associate Dean, and the Vice President and Dean of the College welcome the opportunity to provide assistance, but the basic responsibility remains with the student personally.

ACADEMIC ADVISING

Every student has a faculty adviser at all times. Freshman advisers teach and advise first-year students through the First Year Seminar. Early in the year, freshmen also work with Orientation group leaders, who are faculty and staff members. The instructor in the fall First Year Seminar (FRS 120) remains the student's adviser for most of the freshman year.

When a major is declared, usually in April of the freshman year, advising shifts to a departmental faculty adviser, who may remain the student's adviser until graduation. Students who do not declare a major in the freshman year remain with their freshman advisor until a major is declared. Frequent contact between adviser and student is essential. Faculty advisers initiate some contacts, but students are strongly encouraged to make every effort to maintain a close relationship with their advisers.

COURSE LOAD

To complete a degree in four years, an average of 32 credits a year must be earned. In the typical pattern, a student carries 14 or 15 credit hours in each of the semesters and three credit hours during the January term. No more than four credit hours may be taken in any one of the three-week periods, whether January or summer session.

A full-time student is permitted to audit one course each semester without additional charge. Permission of the instructor is necessary. The audit does not count toward graduation requirements, but it does appear on the permanent academic record if attendance is satisfactory.

A course load of twelve hours is required for full-time status and the maximum load is eighteen hours in a semester and 36 hours in an academic year. Additional hours require the adviser's permission and an overload charge.

LATE ENROLLMENT AND WITHDRAWAL

Students are expected to attend the first class meeting of each course. After the first meeting, enrollment in the course is possible only with the permission of the adviser and the instructor. After the first week of classes, enrollment is possible only with the permission of the adviser, the instructor, and the Associate Dean. Permission to enter a course after five class meetings is given only in rare circumstances.

Withdrawal from a course after the first week requires the approval of the instructor and the adviser and the filing of a completed withdrawal form with the Registrar. A course may be dropped with a notation of "W" (withdrew) during the first five weeks of the semester. For courses dropped in the sixth through the eighth week, the notation is "WP" (withdrew passing) or "WF" (withdrew failing), depending on one's performance at the time of withdrawal. After the eighth week, the notation is "WF."

After the first week of the term, the hours for courses dropped, whether noted with W, WP, or WF, are included in the total hours attempted.

A decision to cease attending classes does not constitute withdrawal from a course. Withdrawal is official on the day the form, properly signed, is returned by the student to the Registrar.

Requests for medical withdrawal from individual classes are made to the Vice President and Dean of the College. For a request to be considered, the following conditions must be satisfied:

- The student's medical condition developed or became more serious during the semester in question.

- The student provides documentation that he/she is under the care of a licensed physician or licensed mental health professional.

Students considering medical withdrawal from one or more classes should note that:

- Medical withdrawals are granted in extreme cases only and are taken to be "last resort" measures,
- they are not granted after the last day of classes in a given semester, and
- the grade of "W" is recorded for each course affected.

CLASS SCHEDULE

Classes are scheduled Monday through Friday in Monday-Wednesday-Friday and Tuesday-Thursday formats. A few courses meet one or two evenings each week. Many courses in the natural sciences, and some in other areas, routinely meet four or five times a week including laboratory periods.

CLASS ATTENDANCE

Regular attendance at classes is expected of all students, though each instructor is free to set whatever attendance requirements for an individual course are deemed suitable. These requirements are announced at the first meeting of the class and are printed in the course syllabus.

The College recognizes as legitimate reasons for occasional absence such difficulties as illness, accident, family grief, or pressing personal responsibility. If absences for these or other reasons are excessive in terms of the stated attendance policy for the class, the student should explain the problem to the instructor, or the instructor may initiate such a discussion. If excessive absences persist, the student may be assigned a grade of "F" for the course.

Occasionally students who represent the College in off-campus activities find it necessary to miss classes. These absences are officially excused. The number of such absences, however, may not exceed 10% of the class meetings without the permission of the instructor.

STUDENT CLASSIFICATION

Students are classified as full-time or part-time, as degree candidates or special students, and according to class standing.

Students registered for a minimum of 12 hours a semester are classified as full-time. Those registered for fewer than 12 credit hours are classified as part-time.

Degree candidates are those recognized by the College as pursuing studies leading to a baccalaureate degree at Maryville College. Special students are not recognized as degree candidates, though they do receive full credit for academic work completed with passing grades. The status of special student may be chosen by any student who does not plan to apply for a Maryville degree, or it may result from action of the College if the academic record does not warrant degree candidacy.

Class standing is determined by the number of credit hours earned. The minimum requirements for class standings above the freshman level are as follows:

- For sophomore standing, 29 credit hours.
- For junior standing, 59 credit hours.
- For senior standing, 94 credit hours.

GRADING AND ACADEMIC STANDARDS

The grading system at Maryville is as follows:

A - Excellent
B - Good
C - Satisfactory
D - Passing
F - Failed

Quality points are assigned as follows:

Grades	Points
A+	4.000
A	4.000
A-	3.700
B+	3.300
B	3.000
B-	2.700
C+	2.300
C	2.000
C-	1.700
D+	1.300
D	1.000
D-	0.700
F	0.000

Students are graded under this system in all required general education courses, most electives, and all courses taken to meet major requirements.

In some situations grades of "S" (Satisfactory) and "U" (Unsatisfactory) are used. The "S" grade is understood to be the equivalent of at least a "C." Most experiential education courses, Maryville College Life Enrichment Program projects, and all internships and practica are graded on this basis. At the student's option, one elective course each year may be graded "S" or "U."

In the following exceptional circumstances these grades are given:

I - Incomplete Given as a temporary grade when a course cannot be completed due to reasons beyond the student's control; becomes an "F" unless the work is carried to completion by the end of the next semester.

W - Withdrew Given when a course is dropped during the first five weeks of a semester; does not affect grade point average.

WP - Withdrew Passing Given when a course is dropped in the sixth through eighth week while the student is doing satisfactory work; does not affect grade point average.

WF - Withdrew Failing Given when a course is dropped after the eighth week, or in the sixth through eighth week while the student is doing unsatisfactory work; affects the grade point average as would an "F." In order to receive "WF" the student must withdraw by the last class session.

GRADE POINT AVERAGE

The grade point average (GPA) for a semester is computed by dividing the total number of quality points earned by the number of credit hours for which quality points are earned during the semester. The cumulative GPA is based on all quality points earned and all credit hours for which quality points are earned at Maryville College (except that a repeated course is counted only once). Courses completed satisfactorily at other institutions may count toward graduation requirements, but they are not counted in computing the GPA.

The three-credit entry for Fundamentals of Mathematics 105 does not count in the minimum needed for graduation and is not included in the GPA. This course is treated as a three credit hour equivalent only in the determination of full- or part-time status.

THE DEAN'S LIST

The Dean's List is composed of those students whose academic performance was distinguished in the previous semester. To qualify, a grade point average of at least 3.60 in all work undertaken must be earned, with no grade below "C." Only full-time students are considered. A notation appears on the transcript each semester the Dean's List is achieved.

GRADUATION HONORS

To qualify for graduation with honors, a student must have completed at least 64 credit hours at Maryville College. The cumulative grade point average determines the level of honors.

The three levels of honors and the minimum grade point averages required are:

- Summa cum laude: 3.95
- Magna cum laude: 3.75
- Cum laude: 3.50

Requirements for a student first enrolled prior to fall 2006 remain those specified in the College Catalog for the year of enrollment.

ACADEMIC STANDING

It is the responsibility of the individual student to maintain good academic standing and to make normal progress toward a degree. The record of each student is regularly reviewed by the Registrar. Any student whose cumulative grade point average falls below 2.00 is placed on academic probation. To continue enrollment in probationary status, the student must show steady improvement in academic performance. A full-time, first-year-in-college student who is placed on academic probation following the first fall semester must successfully complete during the first spring semester a Maryville College Life Enrichment Program Portfolio Project in self-management through the Learning Center. A student who fails to complete the project successfully is subject to suspension from the College.

At the end of the academic year careful consideration is given to the record of each probationary student. If the student falls below minimum standards for credit hours and cumulative grade point average, he or she is not considered to be making normal progress toward a degree. The student is then subject to suspension from the College, or to a change from degree candidacy to special student status. These minimum standards are described in the Student Handbook.

A student suspended from the College may apply for readmission after a period of satisfactory academic work at another institution or successful work experience. The period of suspension is usually a calendar year, but it may be shorter if circumstances warrant. A student placed in special student status by action of the College may continue enrollment and, when the cumulative GPA is raised to at least 2.00, petition for readmission to degree candidacy.

A decision to suspend may be appealed to the College's Committee on Academic Standing. In such an appeal, the obligation rests with the student to explain the special considerations that support continued enrollment.

NOTIFICATION OF GRADES

Students are notified by mail of grades earned as soon as possible after the end of each semester. The grades become part of the student's permanent academic record on file in the Registrar's office. In accordance with the Family Educational Rights and Privacy Act, grades are not sent to parents or guardians unless (1) the student requests that this be done, or (2) the parent or guardian makes such a request, certifying that the student is dependent as defined by the Internal Revenue Service. Such requests must be written and filed with the Registrar.

GRADE DISAGREEMENTS

If a student does not agree with a final course grade, a procedure for addressing the question is outlined in the Student Handbook. Grades are not open for dispute more than one year after the end of the term in which the grade is assigned.

SIX-WEEK PROGRESS REPORTS

During the sixth week of the semester, faculty members submit a six-week progress report for each student who is having academic difficulty in a particular class. The report is sent to the student's faculty adviser and other appropriate College staff. These reports are used to inform and counsel the student and are not recorded on the student's official transcript. The Maryville College Denso Learning Center coordinates the reporting process.

CONFERRAL OF DEGREES

Degrees are formally conferred at the Commencement exercises held annually at the close of the spring semester. Though requirements may be completed at other times during the year, degrees are officially awarded only at those exercises.

Students who do not complete all requirements by the close of the Spring Semester may participate in the Commencement exercises only if they have no more than two "Incomplete" grades for the Spring Semester and they fall into one or more of the following categories:

- those expecting to complete all degree requirements by the end of the summer, or
- those having no more than four credit hours to be taken in the next fall semester, or
- those having only student teaching, a Senior Recital, or an approved internship to complete in the fall (Senior Study 352 is occasionally attached to student teaching or to an internship).

Any student who does not complete the degree requirements according to these criteria may choose to participate in the Commencement exercises at the close of the next academic year.

CREDIT BY EXAMINATION

PROFICIENCY EXAMS

Proficiency exams are permitted in lieu of Maryville College coursework in special circumstances. Maryville College faculty prepare examinations covering the content of a specific catalog course. There is an examination fee, and permission of the academic division chair is required. Proficiency exams are not given for experiential learning courses, internships, practica, physical education activities courses, studio art, applied music or the Life Enrichment Program.

The American College Testing Program Proficiency Examinations are offered in many areas. College credit is available when a score of 45 is attained. Information on these examinations is available in the Maryville College Denso Learning Center.

The College Level Examination Program (CLEP) offers examinations in the areas listed below. If a student's score is equal to the CLEP mean scaled score for a grade of "C," credit may be granted. Except as noted below, three credit hours are granted for all examinations, regardless of the recommendations in CLEP publications.

CLEP Subject Examinations

American Literature
Analysis and Interpretation of Literature
English Literature
Freshman College Composition
Calculus with Elementary Functions***
College Algebra-Trigonometry***
General Biology*
General Chemistry*
Principles of Management
Introductory Accounting**
Introductory Business Law
Principles of Marketing
Principles of Microeconomics
Principles of Macroeconomics
American Government
American History I
American History II
Western Civilization I
Western Civilization II
Educational Psychology
Introductory Psychology
Human Growth and Development
Introductory Sociology
College French-levels I & II**
College German-levels I & II**
College Spanish-levels I & II**

CLEP General Examinations

English Composition
Humanities
College Mathematics
Natural Sciences
Social Sciences and History

** Provides six credit hours of credit. To obtain credit for additional two hours of laboratory experience, students must either (1) demonstrate satisfactory knowledge of laboratory techniques, or (2) enroll in and complete satisfactorily the laboratory portion of the courses.*
*** Six credit hours are awarded.*
**** Four credit hours are awarded.*

DANTES EXAM PROGRAM

Maryville College accepts credit for the DANTES credit by examination program of the Educational Testing Service. Credit allotments and minimum acceptable scores are set according to the guidelines of the American Council on Education. The exams listed below are accepted at Maryville College:

Principles of Statistics
Art of the Western World
Contemporary Western Europe: 1946 - 1990
A History of the Vietnam War
Lifespan Development Psychology
General Anthropology
Fundamentals of Counseling
Astronomy
Principles of Physical Science I
Physical Geology
Principles of Finance
Principles of Financial Accounting
Personnel/Human Resource Management
Organizational Behavior
Business Law II
Money and Banking
The Civil War Reconstruction

Credit by examination is not available for courses audited at Maryville College. Information on DANTES examinations is available in the Maryville College Denso Learning Center.

NON-TRADITIONAL MODES OF LEARNING

No more than 32 credit hours may be counted toward graduation requirements for any combination of credit by examination, internships, practica, military coursework, instructional television or online courses. Credit for courses offered through non-traditional modes of learning will be granted only for courses offered by accredited institutions and, before credit is granted, each course will be evaluated to insure it meets requirements of Maryville College course work.

SPECIALIZED AND INDIVIDUALIZED PROGRAMS OF INSTRUCTION

Maryville College offers many opportunities for students to tailor their learning experiences to their own needs and interests. The regulations governing these opportunities are set out below.

SENIOR STUDY

The Senior Study: The Undergraduate Research and Creative Expression Program at Maryville College is described under Degree Requirements in this catalog. In addition to prerequisites specified for the major, a student must hold at least junior standing and have passed First Year Seminar 140 and the English Proficiency Examination before beginning the Senior Study. The full project receives 6 credit hours, 3 hours in each of two semester-long courses, 351 and 352. Failure in the 351 or 352 course requires that the course be repeated. A second failure in 352 requires that both 351 and 352 be repeated with a new project; the original 351 becomes an elective.

INDIVIDUALIZED STUDY COURSES

If a student wishes to pursue a topic in his/her major that is not available through a regular catalog course, he/she may request a program of individualized reading or experimental work. The academic division chair will consider that request on the basis of the appropriateness of the topic and availability of faculty for supervision. Such a course may be an additional course in the major or, when appropriate, may substitute for a major course. Such coursework carries a 350 number, and students may not earn more than three credit hours through individualized study courses. The student must have at least junior standing. Such a program is pursued under the guidance of a faculty member, who confers regularly with the student and assesses the program. Approval by the academic division chair is required, and an additional fee is charged.

LIFE ENRICHMENT PROGRAM

The Maryville College Life Enrichment Program (MCLEP or "portfolio") is a means to enrich and diversify the student's educational experience through a combination of curricular and co-curricular activities. In the program each student works closely with a faculty or staff mentor to identify or design projects appropriate for his or her personal growth. The projects must fall into the categories of wellness, leadership, creative/aesthetic works, cross-cultural experience, or citizenship (e.g., service and community involvement). A Special portfolio project in self-management is required of first year-in-college students placed on academic probation following the first fall semester. Expected outcomes include some of the following: an enriched life, an integration of experiences, discovery, deeper development, and transformation. Only one credit hour may be earned in any category, and no more than three credit hours may be earned in the program. One project may be taken for credit in a semester. The program is available only during the fall and spring semesters. A central feature of each project is the maintenance of a personal journal, the purposes of which are to encourage careful observation and reflection and to deepen knowledge of oneself. Through completion of an individually designed project, the student earns one credit hour.

Written descriptions of completed projects may be used to create a portfolio of experiences.

INTERNSHIPS AND PRACTICA

Many academic departments offer opportunities for students to learn through practical experience, usually related to the major field, through an internship or practicum. These supervised experiences provide a chance to apply knowledge and skills in an operational setting, while testing one's interest in a particular career or profession. Possibilities range from individual work with exceptional children in the Maryville College Denso Learning Center to editorial duties in a publishing house to service as an aide to a public official. Academic departments and the Center for Calling and Career occasionally assist students in arranging post-graduate or other non-credit internships.

Credit earned for practica and internships is in proportion to the scope and duration of the experience. Practicum experiences are allotted two to six credit hours. Practica may be pursued while the student is enrolled in other coursework, and in some cases the work may be done on campus and be related to the College program. Departmental guidelines for practica vary, but for each credit hour granted students are expected to be involved the equivalent of at least three hours of activity per week for a semester. Internships are allotted 7 to 15 credit hours and are intended to give students a more complete immersion in a work or service setting. Other coursework is normally not taken during an internship, though the Senior Study (351 or 352) is sometimes completed during a fall or spring internship. Internships take place off-campus and require a time commitment equivalent to full-time employment, with credit allotted on the basis of one credit hour for each week of full-time involvement.

While some major fields generally restrict enrollment in internships and practica to students majoring in the field, special qualifications or circumstances may warrant application to the appropriate academic division chair for a waiver permitting enrollment by a non-major.

All academic divisions are required to have written guidelines for internships and practica. The guidelines are available in each division and in the Registrar's office. Guidelines include application and approval procedures, the range of accepted experiences, methods of reporting and verifying experiences, and the duties of the faculty supervisor and the off-campus supervisor.

Departmental guidelines may restrict or prohibit remuneration. Remuneration may be permitted insofar as guidelines for the learning experience are followed and faculty supervisors work closely with organizations and off-campus supervisors to protect the student and to ensure the quality of the experience as an extension of the College curriculum. Internships (numbered 337) and Practica (343) are available in any major. Internships and Practica are graded on a Satisfactory/Unsatisfactory basis; letter grades are not assigned except in Education 343 and 401 (Student Teaching).

INDIVIDUALIZED MAJORS

Students pursuing the B.A. degree may design an Individualized Major. A formal application and approval of the Committee on Individualized Instruction are required. Individualized majors must include 18 hours in one subject area, 12 hours in a related subject, and 6 Senior Study hours. An individualized major must be approved by the second semester of the sophomore year. A faculty sponsor in each subject area is required. Application forms are available in the Registrar's Office.

STUDENT LITERACY CORPS

A description of the Student Literacy Corps may be found under Learning By Experience in this catalog. There are two credit options. For two credit hours, the student completes one campus-based class hour per week (orientation and training) and three hours of community-based tutoring. For three credit hours, the student completes one class hour and six tutoring hours. The three credit hour option may be counted in fulfillment of the general education requirement in experiential education.

HONORS STUDY

Honors study at Maryville College may be pursued in four ways. Participation in any honors program is reserved for those students with a cumulative grade point average of 3.25 or higher and those students who have attained sophomore standing. However first year Presidential and Dean's scholars often enroll in Honors Tutorial Training. Honors work is voluntary, except for Presidential Scholars and Dean's Scholars, who are required to participate in a limited number of honors activities. Honors study is distinct from and in no way related to honors designations for graduating seniors (cum laude, magna cum laude, and summa cum laude). Honors study is noted on College transcripts.

Honors Seminars are offered occasionally by distinguished members of the Maryville College faculty. Honors seminars may be special sections of regular course offerings, or they may cover topics not regularly a part of the College curriculum. Honors seminars may be electives, major courses (if approved by the academic division chair), or general education courses (if approved by the Chair of the Core Curriculum). Enrollment in honors seminars is limited in most cases to fifteen students, with first priority for enrollment for seniors, followed by juniors and sophomores. Honors seminars are listed in the Schedule of Courses booklet.

Honors Study in Major Courses permits students of superior ability to pursue honors study related to major courses in which they are registered. The honors work goes beyond basic course requirements and may take the form of additional reading, writing, experimentation or creative work, or any combination of these. For successful completion of honors study in a major course, students receive one additional credit hour beyond the regular credit allotment for the course. Arrangements for honors study are negotiated with the course instructor and require the approval of the academic division chair. The arrangements must be reported to the Registrar not later than the first week of the course.

Honors Tutorial Practica are programs of guided tutoring in which an honors student tutors other students under the guidance of the Learning Center Director. Students act as tutors and study table leaders in the various academic assistance programs offered to Maryville College students. Each practicum in this special program is awarded one credit hour and the course may be repeated to a maximum of four credit hours. With the permission of the instructor, the practicum may be taken on a non-credit basis. Satisfactory completion of Honors Tutorial Training is a prerequisite to all Honors Tutorial Practica.

Honors in Applied Music is a program intended for students pursuing the Bachelor of Music degree in piano or vocal performance and for students who wish some additional performance emphasis within other degree programs. Three credit hours per semester are earned for an hour lesson or two half-hour lessons and at least ten hours practice per week. In addition, in the course of the academic year, sophomores must perform as soloist for at least ten minutes in student recitals, juniors must give a half-hour recital, and seniors must give a full recital. Enrollment in the honors program in applied music requires the approval of the music faculty, based on successful audition and evidence of talent and good practice habits.

Admission

ADMISSION PROCEDURES

Maryville College is selective in granting admission to prospective students. Students are admitted based on academic criteria, extracurricular involvement, and personal achievement, without regard to financial need. As a guide, it should be noted that students who successfully complete degree requirements normally have followed a strong college preparatory curriculum in high school and typically have ranked in the top 25% of their graduating classes.

Application deadlines and notification dates are listed below:

	Application deadline	Notification date
Early action	September 15	October 15
Early decision	November 15	December 1
Scholarship candidates	January 15	February 1
Regular application	March 1	April 1
International students	June 1	July 1

HIGH SCHOOL STUDENTS

High school graduates who are seeking admission as first-time freshmen must have satisfactorily completed at least 15 academic units at the high school level. Normally coursework should include the following minimum requirements:

- Four years of English.
- Two years of science including one year of laboratory science such as biology, chemistry, physics, or earth science.
- Three years of mathematics including one year of algebra and two years above Algebra I.
- Two years of social studies or history.
- Two years of one foreign language.
- At least two elective academic units among the following: mathematics, science, social studies, English, foreign language, religion, or fine arts (including performing arts credits such as band, choir, theatre, and orchestra).

To apply for admission as a first-time freshman, students are required to submit the following:

- Application for admission.
- Official transcript of high school work. Home schooled students who are not a part of an umbrella organization should submit a summary of high school level subjects studied along with an assessment of academic achievement in each area studied and a GED score.
- Official GED certificate, if applicable.
- Scores from either the American College Testing Program (ACT) or the Scholastic Assessment Test (SAT) of the College Entrance Examination Board. Students who have been out of high school three years or more are not required to submit test scores.
- Writing sample. A writing sample from the SAT or ACT testing agencies is not required, but is encouraged. An alternate writing sample in lieu of the SAT or ACT sample is permitted.

TRANSFER APPLICANTS/TRANSFER CREDIT

Students who have completed coursework at another regionally accredited college or university may be considered for admission to Maryville College in either the fall or spring semester. Generally, academic courses in which the student has earned a grade of "C" or above will be transferred and applied toward graduation requirements. College credits earned by students while they were enrolled in high school will be evaluated upon receipt of an official college transcript. Applicants are provided with an official Advanced Standing Estimate upon request.

Transfer applications are evaluated under the following guidelines:

- Applicants with 30 semester hours or more in college-level academic coursework should have earned a minimum grade point average of 2.50. High school transcripts and test scores are not required of students who meet these standards.
- Applicants who have earned less than 30 semester hours in college-level work should have a minimum grade point average of 2.50 in college-level academic work and present a transcript of high school work and ACT or SAT test scores that meet the standards for freshman admission. Applicants who have been out of high school for three years or more are not required to submit test scores.

To apply for admission, transfer students should submit the following:

- Application for admission.
- Official transcript from EACH college attended.
- If applicable, official transcript of high school work and scores from either the American College Testing Program (ACT) or the Scholastic Assessment Test (SAT) of the College Entrance Examination Board.

INTERNATIONAL STUDENTS

In order to receive admission to the degree program at Maryville, students from other countries should present a strong record of academic achievement and evidence of English proficiency as measured by either the Test of English as a Foreign Language (TOEFL), International English Language Testing Systems (IELTS), or the Michigan test (offered at Maryville College prior to each semester). Students who are not proficient in English or who have not yet taken TOEFL, IELTS or the Michigan Test may request conditional admission or first join the Center for English Language Learning (CELL) intensive English program at Maryville College.

A minimum TOEFL score of 74 with no sub-score below 18 (IBT), 200 (computer-based) or 525 (paper-based), an IELTS band score of 6.0, or a Michigan Test score of 80 is required for full-time College enrollment; students with slightly lower TOEFL or IELTS scores and a Michigan score above 72 may begin College coursework on a limited basis while enrolling in a special orientation course for international students. When students are first required to enter the CELL program, they can matriculate into College courses once they have reached a desired level of proficiency as shown on any of the three mentioned tests.

All international students are required to take the Michigan Test on-campus during International Student Orientation before the beginning of their first semester to determine correct placement in composition and other classes.

To apply for admission, international students should submit the following:

- International Student application for admission with a $25 nonrefundable application fee.
- Official transcript from the secondary school showing at least three years of coursework or pertinent examination scores as appropriate in the student's national education system. This document should be in English or be accompanied by a verified English translation.
- TOEFL or IELTS score, if available.
- A writing sample that discusses the student's reasons for choosing to study at Maryville College and their reasons for requesting financial support, if applicable.
- Upon acceptance, student must submit a $200 Enrollment Deposit and financial records showing the ability to pay the costs of the first year of study at Maryville College. When the deposit and financial records are received, the College will issue a form I-20 (student visa application), and the student can apply for a student visa.

For further information, contact International Services, 865-981-8183 or internat@maryvillecollege.edu.

VETERANS

Maryville College welcomes veterans who would like to begin or continue their college education. The College will accept courses from the Community College of the Air Force and will evaluate other military coursework using the American Council on Education Guide to the Evaluation of Educational Experiences in the Armed Services. Up to 12 hours credit may be granted for military coursework comparable to Maryville College course offerings. Veterans must have on file with the Registrar Form DD214, Form 22-1995 (Request for Change of Program or Place of Training) and a copy of their Certificate of Eligibility.

EARLY ADMISSION

Students who have completed the junior year of high school may request consideration for early admission. In addition, local high school students who have time in their schedules for additional courses may enroll part-time on a space available basis.

Early admission candidates and high school students seeking to enroll part-time must furnish evidence of a strong high school record and above average test scores as well as a letter from the principal or guidance counselor indicating that the applicant has the intellectual and social maturity to profit from college study. A personal interview with an admission officer and a college faculty member is mandatory for individuals seeking early admission as full-time, degree seeking students.

Early admission applicants should submit the application documents listed under the "High School" requirements. High school students seeking to enroll part-time should submit the following:

- Non-degree student application for admission.
- Official transcript of high school work. Home schooled students should submit a summary of high-school level subjects studied along with an assessment of academic achievement in each area studied.
- Scores from either the American College Testing Program (ACT) or the Scholastic Assessment Test (SAT) of the College Entrance Examination Board, if available.
- Letter of recommendation from the high school principal or guidance counselor.

READMISSION

Students who leave the College for any reason during the academic year or take a leave of absence by staying out for a semester or longer must apply and be accepted for readmission.

To apply for readmission, students should submit the following to the Office of Admissions:

- Application for readmission.
- Official transcript from EACH college attended since leaving Maryville.

ADVANCED PLACEMENT/INTERNATIONAL BACCALAUREATE

Maryville College awards credit through the Advanced Placement (AP) program of the College Entrance Examination Board and the International Baccalaureate program. Students who achieve a minimum score of 3 on AP examinations or 4 on IB examinations will be granted college credit and may be eligible for advanced placement in College courses upon approval of the instructional departments involved. Applicants should submit requests for Advanced Placement or International Baccalaureate credit during the summer prior to enrollment.

ENROLLMENT DEPOSIT

Following admission to the College, students are required to pay a $200 Enrollment Deposit. The Enrollment Deposit is refundable until May 1.

Financial Policies

TUITION

The annual tuition rate covers a normal load of 24 to 36 hours for the academic year, which includes Fall Semester, Spring Semester, and January Term. Overload charges will be assessed when:

- total attempted hours for the semester exceed 18
- total attempted hours for the academic year exceed 36

When a student is enrolled for only one semester during the academic year, charges for credit hours attempted during the January Term are calculated at 50% of the per credit hour rate. Room and board charges, if applicable, are prorated.

Students registered for fewer than 12 hours during a semester (part-time students) are billed at the per credit hour rate rather than the semester rate. In certain circumstances, qualified part-time students may be eligible for financial aid Federal Title IV Aid. Maryville College Institutional Aid is not available to students registered for fewer than 12 hours..

PAYMENT POLICY

Annual charges for tuition, fees, room, and board are divided into two semester rates. Tuition, fees and all other College charges are due and payable by August 15 for Fall Term and by January 15 for Spring Term. A bill is mailed to the student four to six weeks before the payment due date. It is the student's responsibility to make arrangements for payment in full including completing the necessary documents for scholarships, grants, and loans before the payment due date.

Business Office and Financial Aid Office staff are available to assist students in financial planning.

COSTS

For 2006-2007, the basic annual costs are:

- Tuition = $23,125
- Fees = $675
- Room = $3,700
- Board = $3,700

A schedule of miscellaneous fees is available upon request in the Business Office.

INSTITUTIONAL CHARGES AND INTUITIONAL AID

No refunds are made for a change from full-time to part-time status after the first week (5 days) of classes. Maryville College institutional charges (tuition, room and fees) will be refunded as follows:

FIRST TIME STUDENTS

Withdrawal date	Refund percentage
Within 11 calendar days of first day of classes	90%
Within 12-21 days	80%
Within 22-31 days	70%
Within 32-42 days	60%
Within 43-52 days	50%
Within 53-63 days	40%
After 63 days	No refund

RETURNING STUDENTS

Withdrawal date	Refund percentage
Within 7 calendar days of first day of classes	90%
Within 8-14 days	80%
Within 15-21 days	70%
Within 22-28 days	60%
Within 29-35 days	50%
Within 36-42 days	40%
After 42 days	No refund

FEDERAL TITLE IV AID

In compliance with federal regulations promulgated under the Higher Eduction Adt, a student who withdraws officially from Maryville College and who is receiving Title IV Federal Aid will earn their aid through the 60% point in the enrollment period. After the 60% point of the period of enrollment, 100% of the Title IV aid is earned. Title IV aid that is not earned is returned to the agency from which the assistance was received. The calculation for Federal Title IV funds earned by a student has no relationship to the student's incurred institutional charges.

For more information on the return of Title IV funds contact the Maryville College Financial Aid Office.

Summer School refunds are prorated. A prorated refund of board charges for the remainder of the semester and for summer session will also be given to both first-time and returning students.

A withdrawal becomes effective when the withdrawal form, properly signed, is filed with the Office of Student Development or the day the College determines the student last attended a class. Students who are dismissed from the College for disciplinary cause are not eligible for a refund of institutional charges. Students who receive financial aid will have part or all of their refunds, as required by refund formulas, credited to the programs from which the awards were made.

Requests for medical withdrawal from the College are made to the Vice President and Dean of Students (Student Development). For a request to be considered, the following conditions must be satisfied:

- The student's medical condition developed or became more serious during the semester in question.
- The medical condition is significant to the point that it is the primary reason the student can not attend classes and/or complete required work.
- The student provides documentation that he/she is under the care of a licensed physician or licensed mental health professional.

Students considering medical withdrawal from the College should note the following:

- Medical withdrawals are granted in extreme cases only and are taken to be "last resort" measures,
- they are not granted if requested after the last day of classes in a given semester,
- they are subject to the Refund Policy printed in the College Catalog and Student Handbook, and
- the grade of "W" is recorded for each course offered.

Directory

OFFICERS AND FACULTY

(The year noted is that of first appointment.)

PRINCIPAL ADMINISTRATIVE OFFICERS

Gerald W. Gibson
President (1993)
B.S., Wofford College;
Ph.D., University of Tennessee;
Institute for Educational Management, Harvard University.

Robert James Naylor
Vice President and Dean of the College (1975)
Professor of Chemistry
B.S., Butler University;
Ph.D., Case Western Reserve University.

Mark E. Cate
Vice President for Advancement and Admissions (1991)
B.S., Carson Newman;
M.S., University of Tennessee, Knoxville;
Institute for Educational Management, Harvard University.

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Vice President and Dean of Students (2004)
B.S., Radford University;
M.S., University of Tennessee, Knoxville.

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Vice President for Development (2001)
B.A., Salisbury State University;
M.S., University of Tennessee, Knoxville.

William A. Seymour
Vice President for Student Development (1995)
B.S., State University of New York, Oswego;
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Institute for Educational Management, Harvard University.

FACULTY

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B.A., University of Oklahoma;
M.A., Ph.D., Ohio State University.

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Associate Professor of Mathematics (1997)
B.A., DePauw University;
M.A., University of Missouri
Ph.D., North Carolina State University.

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B.A., Hanover College;
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A.B.,Yale University;
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B.F.A., University of Akron;
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B.S., University of North Carolina, Chapel Hill;
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B.A., Maryville College;
M.A., Ph.D., University of Tennessee, Knoxville.

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B.A., Maryville College;
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ADMINISTRATION

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Director of Communications (2002)
B.A., University of Tennessee, Knoxville.

Michelle J. Ballew Safewright
Assistant Dean of Students for Campus Life (1996)
B.S., University of North Texas;
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Director of Institutional Grants (2006)
B.A., M.A., University of Maryland, College Park.

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Director of Annual Giving (2005)
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Richard J. Brand
Director of Financial Aid (1990)
B.A., Maryville College.

Helen D. Bruner
Director of Alumni and Parent Relations (2000)
B.S., University of Tennessee, Knoxville.

Martha Prater Craig
Associate Dean (1987)
B.S., M.S.N., Ph.D., University of Tennessee, Knoxville.

Karen Beaty Eldridge
Director of News and Public Information (1997)
B.A., Maryville College.

Kathleen M. Farnham
Director of Church Relations (2001)
B.S., M.S., University of Tennessee, Knoxville.

S. Kelly Franklin
Director of International Services, Center for English Language Learning (1986)
B.A., Rice University;
M.A., Ohio University.

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Director of Information Technology (2002)
B.A., Maryville College.

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Director of Placement, Center for Calling & Career (2005)
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Director of Mountain Challenge (1978)
B.A., Maryville College;
A.C.S.W., University of Tennessee, Knoxville.

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Registrar (1974)
B.A., Maryville College.

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Director of Human Resources (1997)
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Head Football Coach (2003)
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Randall Dean Lambert
Director of Athletics and Head Basketball Coach (1980)
B.A., Maryville College;
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Assistant Dean of Students for Student Development (1996)
B.A., University of Tennessee, Martin;
M.Ed., University of South Carolina.

Andrew K. McCall
Director of Physical Plant (1988)
B.S.,Tennessee Technological University.

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Campus Minister (2001)
B.A., Rhodes College;
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Director of Institutional Research (2005)
B.S., M.S., University of Maryland, Eastern Shore.

William J. Meyer
Associate Professor of Religion and Philosophy;
Ralph W. Beeson Professor of Religion;
Executive Director, Maryville College Initiative on Vocation (1997)
B.A., Northwestern University;
B.D., University of Edinburgh;
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Jack Piepenbring
Director of Safety and Security (2004)
B.S., Kansas State University;
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Director, Nonprofit Leadership Certificate Program (2001)
B.A., Maryville College.

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Assistant Vice President for Finance (1999)
B.S., University of Virginia at Wise.

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Associate Athletic Director; Volleyball Coach (1985)
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Director of International Programming (2005)
B.A., University of Calgary;
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Regional Advancement Officer (2005)
B.A., Maryville College

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B.A., University of the South;
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B.A., Miami University;
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Assistant Vice President for Admissions (1995)
B.A., Rhodes College;
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Head Athletic Trainer (1989)
B.A., Maryville College

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Maryville College reserves the right to withdraw courses at any time, change fees, rules, calendar, curriculum, graduation requirements, and any other requirements affecting students.

Additional information on class meeting times and places is available in the separate MC Schedule of Courses booklet published by the Registrar's Office. Students should consult the MC Student Handbook for policy and regulations relating to student conduct, residence hall regulations and the MC policy on Students' Rights to Privacy in compliance with the Family Educational Rights and Privacy Act of 1974. Student grievances are handled through the College's Office of Student Development. Copies of the grievance procedures are available from that office.

Maryville does not discriminate on the basis of race, color, gender, ethnic or national origin, religion, sexual orientation, age, disability, or political beliefs in provision of educational opportunities and benefits.

Pursuant to the requirements of Title IX of the Education Amendments of 1972, P.L. 92-318; and Section 504 of the Rehabilitation Act of 1973, P.L. 93-112, Maryville College does not discriminate on the basis of sex or handicap in the education programs and activities which it operates. This policy extends to both employment by and admission to the College.

Inquiries concerning Title IX and Section 504 should be directed to the Office of the President, Fayerweather Hall, 865-981-8102. Charges of violation of the above policy should also be directed to the President's Office.

Maryville College Academic Calendar

Fall Semester	2006-2007	2007-2008
Registration - New Students	Monday, August 28	Monday, August 27
Registration - Returning Students	Tuesday, August 29	Tuesday, August 28
Fall Semester Classes Begin	Wednesday, August 30	Wednesday, August 29
Opening Convocation	Thursday, August 31	Thursday, August 30
Labor Day Holiday	Monday, September 4	Monday, September 3
Last day to withdraw from a course and receive a "W"	Tuesday, October 3	Tuesday, October 2
Long Weekend	Friday, Saturday, Sunday October 6, 7, 8	Friday, Saturday, Sunday October 12, 13, 14
Last day to withdraw and receive a "WP" or "WF"	Tuesday, October 24	Tuesday, October 23
Comprehensive Exams for Graduating Seniors	Thursday, Friday November 9, 10	Thursday, Friday November 8, 9
Thanksgiving Break	Wednesday-Sunday November 22-26	Wednesday-Sunday November 21-25
Classes End	Friday, December 8	Friday, December 7
Examination Period	Monday-Thursday December 11-14	Monday-Thursday December 10-13
Christmas Break	Friday, December 15 thru Sunday, January 7	Friday, December 14 thru Sunday, January 6

January Term	2006-2007	2007-2008
January Term Classes Begin - Registration	Monday, January 8	Monday, January 7
Martin Luther King Holiday (Classes Meet)	Monday, January 15	Monday, January 21
January Term Classes End	Friday, January 26	Friday, January 25
January Term Snow Make-Up Day	Saturday, January 27	Saturday, January 26

Spring Semester

	2006-2007	2007-2008
Spring Registration	Monday, January 29	Monday, January 28
Spring Registration	Tuesday, January 30	Tuesday, January 29
Spring Semester Classes Begin	Wednesday, January 31	Wednesday, January30
Last day to withdraw from a course and receive a "W"	Tuesday, March 6	Tuesday, March 4
Spring Break	Saturday-Sunday March 17-25	Saturday-Sunday March 15-23
Good Friday - Classes do not meetw	Friday, April 6	Friday, March 21
Last day to withdraw and receive a "WP" or "WF"	Tuesday, April 3	Tuesday, April 1
Comprehensive Exam for Graduating Seniors	Thursday, Friday April 12, 13	Thursday, Friday April 10, 11
Academic Awards Ceremony	Saturday, April 14	Saturday, April 12
Classes End	Friday, May 11	Friday, May 9
Examination Period	Monday-Thursday May 14-17	Monday-Thursday May 12-16
Baccalaureate & Commencement	Sunday, May 20	Sunday, May 18

Summer Institute

	2006-2007	2007-2008
Summer School Begins	Tuesday, May 29	Tuesday, May 27
First 3-week, 5-week, & 11-week Terms Begin	Tuesday, May 29	Tuesday, May 27
Memorial Day Holiday	Monday, May 28	Monday, May 26
First 3-week Term Ends	Monday, June 18	Monday, June 16
Second 3-week Term Begins	Tuesday, June 19	Tuesday, June 17
First 5-week Term Ends	Monday, July 2	Monday, June 30
Second 5-week Term Begins	Tuesday, July 3	Tuesday, July 1
Fourth of July Holiday	Wednesday, July 4	Friday, July 4
Second 3-week Term Ends	Tuesday, July 10	Tuesday, July 8
Second 5-week Term Ends	Tuesday, August 7	Tuesday, August 5
11-week Term Ends	Friday, August 10	Friday, August 8

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